ANTIQUE RADIO CLASSIFIED

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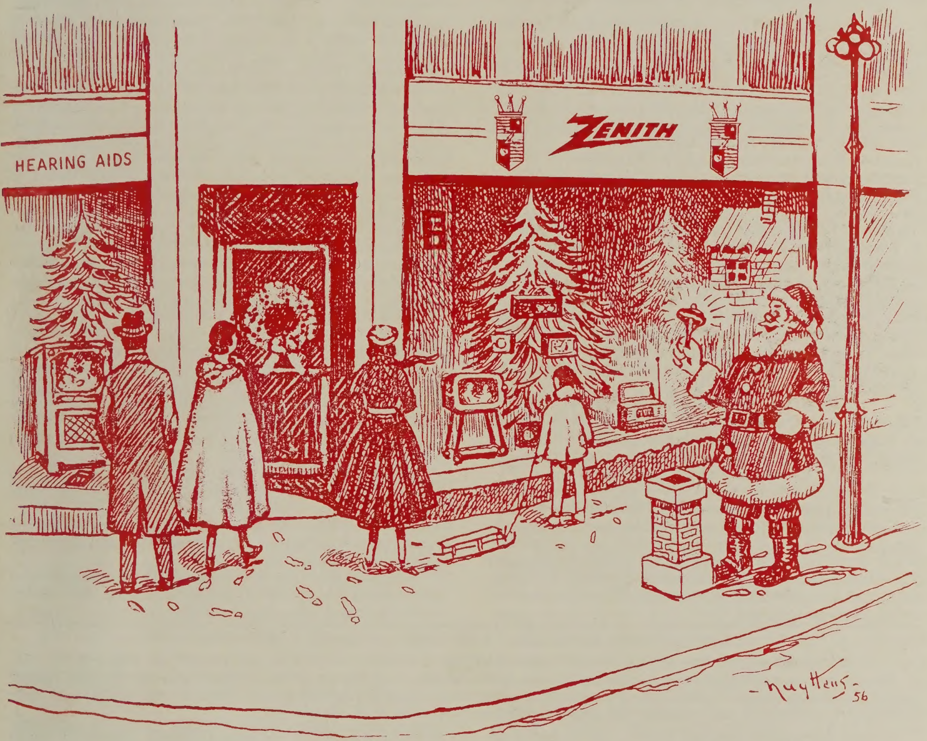
HEARING AIDS
ZENITH
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TO WISH YOU GREETINGS OF THE HOLIDAY
SEASON AND HAPPINESS IN THE NEW YEAR

E. F. McDonald Jr.
PRESIDENT, ZENITH RADIO CORPORATION

A.R.C. — THE NATIONAL PUBLICATION FOR BUYERS AND SELLERS OF OLD RADIOS AND RELATED ITEMS — PUBLISHED MONTHLY

ANTIQUE RADIO CLASSIFIED

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The deadline is the first of the month for display and business card ad artwork, payment and repeat requests.

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Photos should be at an 85-line screen; otherwise, add $15.00 per photo for screening. **Do not cut or trim photos or glue photos to artwork; submit separately.**

If you are confused by these requirements and terms, please contact A.R.C. before beginning to prepare your ad. We will be happy to advise you on your ad ideas, estimate how much the ad will cost, recommend an ad size, etc.

We assume that advertisers want all ads which are submitted to run without delay; therefore, we will run the ad and bill for any additional work required for the ad to meet these specifications. A late ad will run beginning with the next month. "Tear sheets" will be sent only for 1/8-page or larger ads and only if requested when the ad is submitted.

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1/2 V	12 7/16 x 3 9/16	7 3/4 x 2 1/4	136.00	363.00	629.00*	1095.00**	37.00†
1/4	5 1/4 x 3 9/16	3 5/16 x 2 1/4	69.00	184.00	319.00	555.00	19.00†
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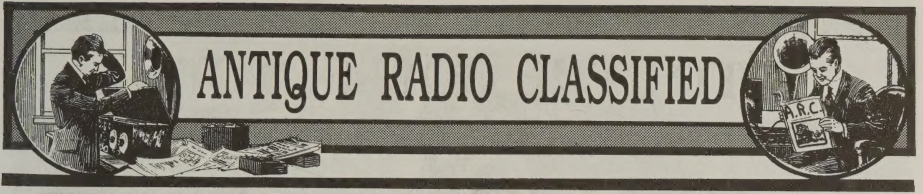


ANTIQUE RADIO CLASSIFIED

EDITOR'S COMMENTS

Although the old song says, " 'Tis the season to be *jolly*," we've decided to make *bountiful* our 1997 holiday word. Bountiful certainly comes to mind in describing this December issue, which abounds in articles and ads. It is eight pages longer than the usual A.R.C. and offers plentiful holiday reading as our gift to you.

In fact, good holiday reading may be your message to Santa when you read the three book reviews in this issue. One is by Bill Harris on the new Cones and Bryant book, *Zenith Radio – The Early Years, 1919-1935*— the basis of our lead article. The other two by Dick Desjarlais review the Bunis fourth edition and the related *Radio Collector's Foto Finder* by Ray Bintliff. You might try leaving the December issue around the house — open, of course, to the review pages or the lead article — and thereby head off another wild tie under your tree.

In our lead article, Cones and Bryant preview the information in their new book on Zenith's earliest years. Then called the Chicago Radio Laboratory or CRL, the company manufactured and sold a variety of radio equipment for the amateur and the home. Those early days of expansion into a consumer market make interesting reading.

In the review of the book, Bill Harris reports that Cones and Bryant not only cover the early history of Zenith, but also include over 30 pages of color photographs of Zenith products, as well as a catalog and data base of early sets.

Bill treads gently on the controversy surrounding this and the authors' previous book — *The Zenith Trans-Oceanic.* He comments that "...some may take issue with certain parts of the book...." (The authors themselves in their "Afterword" even take a potshot at "a few hobby writers," calling them "ill-informed individuals.") But, I conclude that this is a fine book, and I look forward to the two follow-on volumes on Zenith.

It is with sadness that we report that Bruce Kelley, the "champion" of the Antique Wireless Association, passed away on November 6th. Combining several sources, including a 1959 article by Bruce himself, Dorothy Schecter, our managing editor, has assembled a tribute to this legend among radiomen.

This month, Ray Bintliff begins a multipart look at capacitors. I expect that this series will both educate the novice and refresh the memories of many others who strive to keep their old radio treasures working.

As with many collectors, Joseph Jackson remembers his grandfather's old radio — a Columbia 31. His need to find it and get it working creates a story we all can relate to with ease.

Al Klopman reports on a blue-mirrored, rare Sparton radio that he found while on vacation in Paris. Of course, he couldn't resist purchasing it, but meeting the challenge of carrying it without damage for two weeks should win Al and his wife a medal.

Three auction reports are included this month. "Better late than never" should be the introduction to the report on the May Houston Vintage Radio Association auction. Zenith radios drew the big bids here and gross sales were over $16,000. At the Colorado Radio Collectors Antique Radio Club auction in September, Zenith items shared the spotlight with Atwater Kent and Gloritone items. A brief report on the Morgan Radio Shop auction in August shows that bargains can still be found at some country auctions.

Several short items are also featured in this issue. Ray Bintliff presents an interesting story on Bill Bell, whose illustrations appear on all four of the Bunis book covers. A short piece by Ray Mediema describes the Electronic Labs' Radio Utiliphone, a combination permeability-tuned radio and intercom. In addition, Gerald Schneider comments on the subject of club newsletters vs. journals, while George Shields writes about radio business etiquette.

Photo Review includes items from Europe, plus an early Remler audion control panel. *Radio Miscellanea* features an announcement of importance to A.R.C.'s staff — the arrival of Ryan Nelson Friedrichs.

Renew Now — Advertise Now — Save! Each year, we experience increased costs of postage, printing, supplies, rent, and personnel, plus the other costs of running a small business. To keep A.R.C. serving the radio collecting community, unfortunately, it is necessary to increase A.R.C.'s rates. We always announce these increases in advance so that you can take advantage of current rates before the new ones take effect on January 1, 1998. Annual U.S. subscription rates will increase $2.00 per year; classified ad extra words, 2¢; and display advertising rates, about 7.5 %.

Coming Radio Events. Almost three dozen events are scheduled for the radio collector during December and many clubs are holding holiday events. Attention, noncollecting-spouses! Here is a chance to learn a bit about your collector-spouse's passion and perhaps even share some of the enjoyment of collecting.

It's not too soon to be looking forward to 1998 and its offerings. Of special mention are three events just a few months away — the New England Antique Radio Club meet in Nashua, N. H., Radio XXIX in Westford, Mass., and the 3rd annual ski/radio meet at Crested Butte, Colo. I hope to see many of you at these events.

Happy Collecting and Happy Holidays from all the A.R.C. staff!

John V. Terrey, Editor

ON THE COVER

Our cover reproduces a Zenith card for the 1956 holiday season depicting the Zenith Design Salon in Chicago — a showroom for Zenith's new products. In the '40s and '50s, the well known artist Pierre Nuyttens produced these corporate cards, as he had produced personal cards for his friend Eugene F. McDonald, Jr., founder of Zenith. An additional tie between McDonald and Nuyttens was the Zenith radio station WJAZ located at the Chez Paris, a renowned Chicago restaurant owned by Nuyttens.The card is courtesy of Zenith.

WITH THE COLLECTORS

Zenith — The Earliest Years
The Chicago Radio Laboratory

BY HAROLD CONES AND JOHN BRYANT

The latest Cones and Bryant book — "Zenith Radio – The Early Years, 1919-1935" — has just been published. A.R.C. is fortunate to be able to present a preview of the extensive contents of this book in the following article about the earliest years of the Zenith Corporation. The first of a planned trilogy of books on the history of Zenith, this book is another example of the enthusiasm for their subject that the authors demonstrated in their earlier publication — "The Zenith Trans-Oceanic: The Royalty of Radios," previewed in the January 1995 A.R.C. The new information contained in this volume was made available by the authors' discovery of the sealed files of longtime Zenith Corporation President Eugene F. McDonald in 1993. A review by Bill Harris of this impressive book also appears in this issue. (Editor)

Among the hundreds of radio manufacturers that arose with the popularization of radio in the very early 1920s was the Chicago Radio Laboratory, later to become Zenith Radio Corporation. From the very beginning, CRL/Zenith hung its hat on quality being more important than cost, a philosophy that allowed the company to grow and prosper in the fluid environment of the 1920s. By the onset of the Depression in 1929, Zenith was stable enough to weather the financial storm and emerge as a major manufacturing and marketing force.

THE FOUNDERS

The founders of what was to become Zenith Radio Corporation were two radio amateurs — Ralph H.G. Mathews and Karl Hassel. The two were joined in business a bit later by Eugene F. McDonald, Jr., who contributed his considerable finances, publicity skills and inventiveness. Soon after Zenith formed, master businessman and accountant Hugh Robertson and legendary merchandiser Paul Klugh joined the group, forming the nucleus that eventually propelled Zenith Radio Corporation to a position as a major national manufacturer.

RALPH H.G. MATHEWS

Ralph Mathews built his first amateur radio station (9IK) in Chicago in 1912, soon after be-

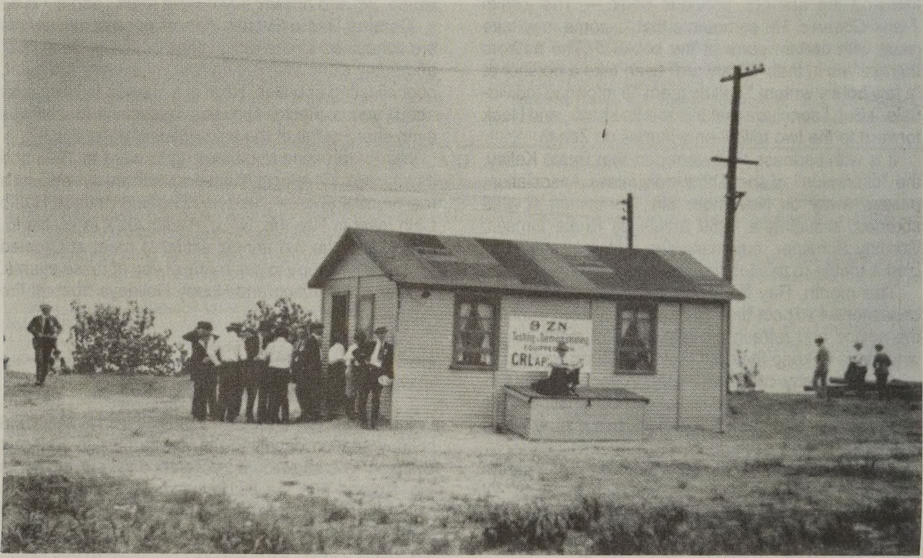


Figure 1. The 9ZN building — the first Chicago Radio Laboratory factory — in early 1921. Half of the 14' X 18' garage, located on Chicago's lakefront at 5525 Sheridan Road, was used for amateur station 9ZN and the other half was devoted to radio production. The sign on the side of the building reads: "9ZN, Testing & Demonstrating, EQUIPPED WITH CRL APPARATUS."

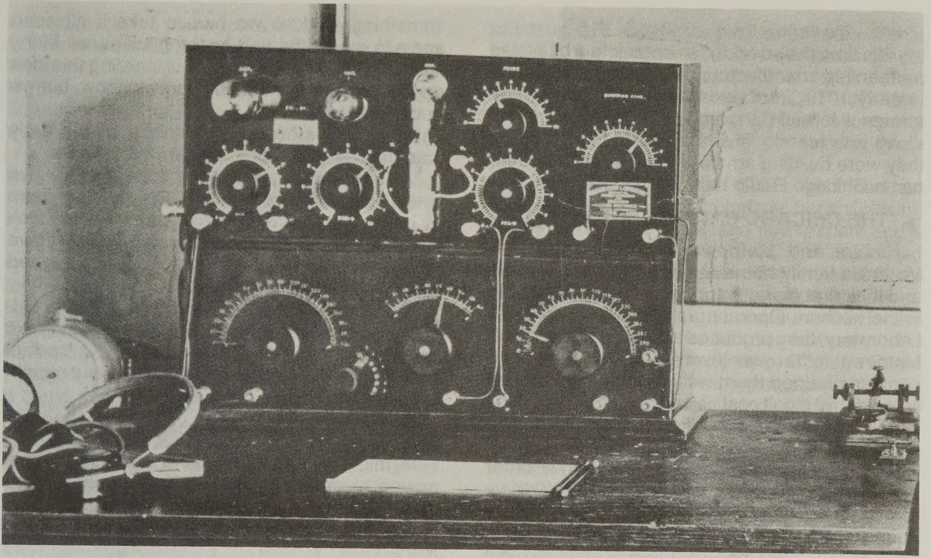


Figure 2. The receiver used at station 9ZN in 1919 is composed of a CRL Type AGN-2 receiver and an Adams-Morgan Paragon Type RA-6.

coming interested in amateur radio. While attending Chicago's Lane Technical High School in 1913 and 1914, he perfected an aluminum saw-tooth, rotary spark gap disk which had such a distinctive radio signal that it could be identified instantly by his amateur contacts. Already well known in the amateur community, he began to accept requests from other amateurs to build equipment of his own design for them.

Mathews graduated from high school in 1914 and began a commercial operation in 1915 as a means of supplementing his college costs. From 1915 until 1917 when World War I stopped all amateur activity, he covered most of his college and personal expenses by building and selling saw-tooth rotary gaps, radio receivers of various kinds, and other equipment for amateur purposes.

In March 1916, Mathews was appointed trunk line manager for the central region of the U. S. for the newly formed Amateur Radio Relay League (ARRL); in February 1917, he was elected to the Board of Directors for the group. About this time his station call letters were changed to 9ZN and with the increased prominence of the station, its operator and his call, his manufactured products became known as "9ZN Spark Gaps" or "9ZN Receivers."

Soon after the war started, Mathews enlisted in the U.S. Navy. He was assigned to the Naval Communications Division, and he met Karl Hassel while stationed at Great Lakes Naval Training Station in Illinois.

KARL HASSEL

Karl Hassel was born in Sharon, Pennsylvania, on January 25, 1896. He attended Westminster College from 1914 to 1915 and continued his studies in 1916 at the University of Pittsburgh. He had received his amateur license in 1912 and, at Pittsburgh, operated the university's 2 KW, 500-cycle synchronous rotary spark gap station. This very efficient station operated with a special license — 8XI, and had an antenna 125 feet high and 600 feet long stretched between two buildings. It operated primarily on 425 meters, and because of its high antenna, was able to work a large geographic area.

With the beginning of World War I, the government closed all and dismantled most radio stations. However, the powerful University of Pittsburgh station was reserved as a government station. Hassel was one of three operators who took and passed the government examination and operated the station on a 24-hour-a-day basis.

There have been several published accounts of Hassel's involvement with the Pittsburgh University station which state that the station became KDKA, the first licensed broadcast station. Indeed, this story is related in several of Hassel's obituary accounts.The Pittsburgh University station was dismantled in 1918 and did *not* become KDKA. Some of the confusion may have stemmed from the similarity of calls: the Pittsburgh University station was 8XI, while Frank Conrad's call (the station that developed into KDKA) was 8XK.

In early 1918 when the university station was dismantled, Hassel joined the Navy. He became a radio code instructor at Great Lakes Naval Training Station and there met Ralph Mathews. The two worked together at Great Lakes for a few months and then both were transferred to the Naval Intelligence Service offices in Chicago's Commonwealth Edison Building.

When the War ended, they were held briefly before discharge with little to do, and it was dur-

(Continued on following page)

ing this time they decided to enter into a business partnership manufacturing amateur equipment. In early 1919, after release from the Navy, they formed a formal partnership, and by June 1919, along with friends, M.B. Lowe and Larry Dutton, they were building amateur equipment under the name Chicago Radio Laboratory (CRL).

THE CHICAGO RADIO LABORATORY

Hassel and Mathews initially lived in the Mathews family home at 1316 Carmen Avenue, and their first manufacturing location was a table in the kitchen. Operating as the Chicago Radio Laboratory, they produced a catalog in mid-1919. Mathews' father was involved in a printing company and helped them with the catalog. As Hassel said, "...it didn't cost us anything, or we wouldn't have had a catalog. I'm telling you, we didn't have any money."

At first, CRL operated as a retail mail order supplier of amateur equipment, selling a variety of non-CRL apparatus as well as its own. The equipment featured in the first catalog was not stocked but rather manufactured or obtained as it was ordered.

Karl Hassel's account of the earliest days of production were recalled as:

"We used Bakelite panel, and they were all engraved by hand with many a resulting blister. We used what we thought was a unique method of mounting the various parts on the Bakelite panel so no mounting screws would show. We used a double panel with the apparatus proper mounted on the back panel, and then the front panel was held on the back one by the pointer stops. I well remember how we used to get a set all put together and then discover we had left off something, and so we had to take it all apart again to mount the part on the back panel. Many times we were on the point of discarding this idea and letting all the mounting screws show, but we never did."

Some of Mathews' impressions of the early manufacturing days, recalled in 1978, were:

"As to how many sets we made, I cannot give you a figure. We had 3 workmen, building them by hand. We built them 12 at a time, which took about 2-3 weeks. The total amount, I cannot give you. Then, as the business grew, we started building about 20 at a time.

"Due to our small hand construction, we seldom had much of a stock, but they weren't built specifically to order, unless something special was specified, when [sic.] we would make modifications to order."

EXPANSION

In mid-1919, manufacturing operations were moved to one-half of a 14' x 18' 2-car garage erected two blocks north of the Edgewater Beach Hotel, at 5525 Sheridan Road. Mr. Dewey, the manager of the hotel and a friend of both Mathews and Hassel, allowed the free use of the hotel-owned land with the understanding that the building would be removed if the hotel ever needed the property. The other half of the garage was devoted to amateur station 9ZN.

A large antenna was erected, and with the big synchronous rotary spark-gap transmitter, 9ZN was soon heard worldwide. 9ZN was part of the first postwar transcontinental message relay on December 4, 1919 ([1AW to] 9ZN to LF to 6EA). In January [1921], 9ZN was involved in setting the cross country record of 6.5 minutes for a round trip message — 1AW to 9ZN to 5ZA to 6JD

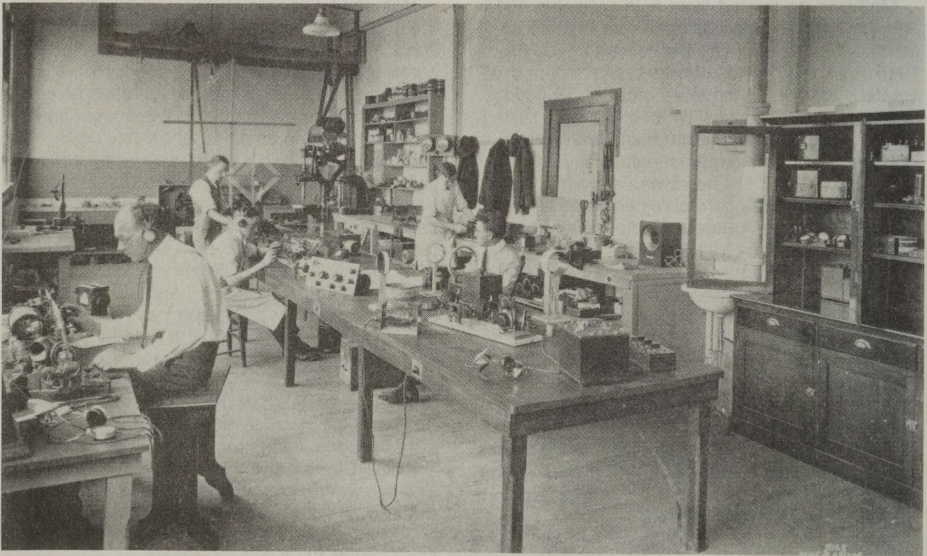


Figure 3. The Chicago Radio Laboratory room. The Engineering Department at the Kedzie Avenue (QRS) plant was led by CRL founder Karl Hassel, shown in the center of the photograph beyond the center table, looking to the left. The radio being tested at the center table is a Zenith 1-R.

and return on the same route with help from 9LR. 9ZN was a featured visitation site during the first National ARRL Convention held August 31-September 3, 1921, at the Edgewater Beach Hotel. Mathews was the Director General (chairman) of the convention and toastmaster of the banquet.

By early 1921, the garage on Sheridan Road had became too small and Chicago Radio Laboratory moved to a 3,000-square-foot rented factory at 6433 Ravenswood.

The major product of Chicago Radio Laboratory was a 2-component regenerative receiver. The top portion of the receiver, called the "Amplifigon," housed the detector and the amplifier, and the bottom portion, called the "Paragon," was a tuner. CRL acquired the names Amplifigon and Paragon from the Adams-Morgan Company after it could not receive deliveries as agents for the company. Then, CRL began building and modifying the units themselves.

Karl Hassel could not recall whether the names were purchased or given to CRL. But, in a letter to friend Leo Gibbs on December 6, 1978, Mathew's recalled, "Adams -Morgan and I had the #1 and #2 licenses under Armstrong's patents. We did not copy their set — we bought them out at almost the same time, about six months after WW I. The 'Paragon' name was more or less the name of the circuit originally. I believe they were out with their model a few months before ours, and we originally used one of theirs at 9ZN, for a short time, much for comparison purposes. I can't give you a specific date as to the first CRL Paragons and Amplifigons, but it was six months to a year after I got out of the Navy active duty at the end of WWI."

There appears to have been no legal action on behalf of either party. The 1919 Chicago Radio Laboratory catalog specifically states that CRL is selling the Adams-Morgan Paragon. The Paragon name was dropped in the 1920 editions of the CRL catalogs as modifications to the original design produced a new, and exclusively CRL, rendition of the product.

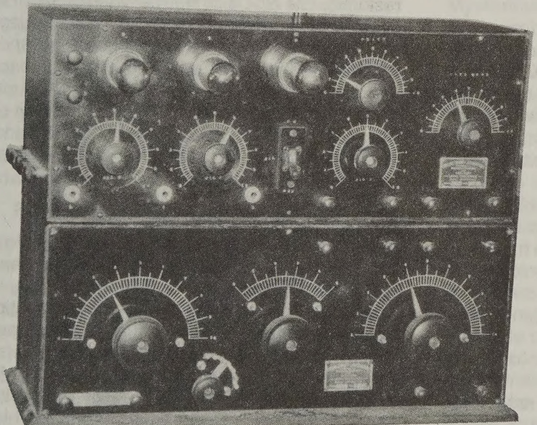
Since its equipment was built for the radio amateur, CRL placed its earliest advertisements in *QST*, the magazine of the American Radio Relay League — the first in June 1919. At the suggestion of an employee, the *QST* advertisements soon began listing the 9ZN call followed by a small "ith," thus providing the famous trade name Z-NITH.

With the development of CRL's first broadcast receiver, however, the company began placing limited advertising in Chicago newspapers and a few trade publications. Growth, the associated moves to larger quarters, and the arrival of Commander McDonald combined, in retrospect, at precisely the right time to lay a solid foundation for the rapid development of the fledgling company.

By late 1921, the popularity of Chicago Radio Laboratory equipment had driven demand to levels that were impossible to support from the small CRL factory on Ravenswood Avenue. In early 1922, Eugene F. McDonald, Jr., who had joined Mathews and Hassel in 1920 as General Manager of CRL, arranged for QRS Music Company at Kedzie Avenue and 48th Street to begin manufacturing CRL products. QRS was to use a combination of its own equipment and employees and those of CRL.

CRL was producing only five radios a week in early 1922; by June 1922, it was producing 50 per week. Since radio sales and manufacturing were cyclical, with the peak period being September to January, a manufacturing output of 50 radios in June would indicate phenomenal growth for the small company.

McDonald formed Zenith Radio Corporation on June 30, 1923, as the marketing arm for the Z-NITH radios produced by Chicago Radio Laboratory. It was not until several years later that the two merged so that both manufacturing and marketing could be carried out by Zenith Radio Corporation. The original patent for the famous Zenith Lightning Bolt was filed on April 24, 1922.



Shown here is the CRL Amplifigon Type AGN-2 detector/amplifier sitting atop the CRL Z-NITH Regenerator Type PAR. The sets are from the editor's collection.

Readers of the book will note that 20 footnotes accompany the above segment of the text — an indication of the author's extensive research. In this article, only two of those footnotes have been incorporated into the text.

All photos courtesy of Zenith.

An autographed and numbered copy of Zenith radio: The Early Years, 1919-1935 is available from the authors at $29.95 plus $2 shipping and handling. Send your order to: The Radio Professors, P.O.Box 592, Stillwater, OK 74076. Checks must be in U.S. funds on U.S. bank only, and sorry, no credit cards. The book is also available from A.R.C. and other A.R.C. advertisers. Please check for ordering information.

John H. Bryant and Harold N. Cones, The Radio Professors, P.O. Box 952, Stillwater, OK 74076)

WITH THE COLLECTORS

The Columbia Model 31
In Search of my Grandfather's Radio

BY JOSEPH G. JACKSON

It's always a pleasure when collaboration on restoring a fine old radio occurs through A.R.C. Gerry Schneider's article on the Steinway Capehart in our February 1995 issue led Joseph Jackson to contact him about the appearance of his Columbia 31 cabinet. Gerry provided a photo and voila! — we have an article on a restoration project to share with our readers. (Editor)

Although born after the advent of television and at the start of the transistor revolution, I have always been an antique radio enthusiast. I still recall being overwhelmed by a marvelous mystical feeling the first time I peered into the back of my grandmother's massive Zenith console and saw the warm sunset glow from the vast valley of vacuum tubes. It was sheer magic at that point, and I was totally entranced. Countless crystal sets and various kits (the first being a 1-tube regenerative receiver) fanned the fires within me.

Around the age of eight, I laid hands on a large old chassis my older brother had salvaged from some long defunct set. Among other things, I learned that electromagnetic speakers demanded somewhat more respect than any of the small permanent magnet variety from any of the transistor sets I had previously dissected. Let's just say that I found the field coil voltage quite a shocking experience and in it a valuable lesson.

FIRST RADIO — A DELCO

It was near my tenth birthday when I received the first radio of my collection — a Delco tabletop receiver given to me by my aunt, Julia. My mother clearly recalled listening to the very same set after Sunday lunch on December 7, 1941, when the news of Pearl Harbor was broadcast. This was more than just a radio — it was heritage, and it was family.

Acquiring any fine radio is exciting, but reviving a set that was in the family is akin to a religious radio experience. With a little help from my brother-in-law, an Air Force electronics technician, the set was soon up and running. I figured out how to restring the dial even though packaging twine was the only material I had available.

From that point on, this radio was to be my companion through life, and I carried it with me through college, medical school and residency. Although often tucked away in a closet or attic, it was never very far from my side.

After residency (ironically, I became a radiologist), I was able to devote more time to radio collection and restoring. The old Delco was destined to become the first of many projects. The finish was showing the signs of age hastened by multiple moves and extreme variations in climate. The bypass capacitors were balking, and the rectifier tube hadn't survived the last long move. I engrossed myself in repair of the chassis while the cabinet was in the skillful hands of my brother, Sam, who had been restoring fine antique furniture for many years.

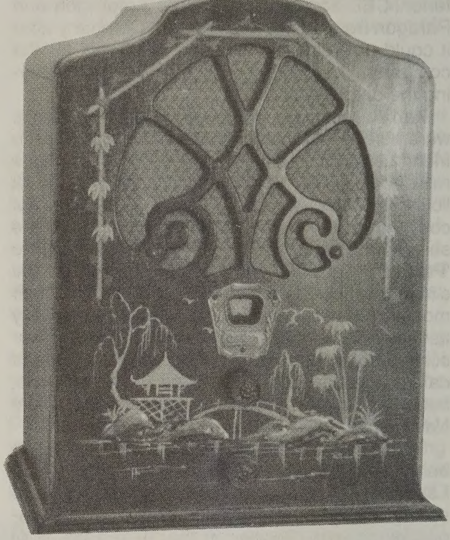


Figure 1. The restored Columbia Model 31.

THE COLUMBIA SEARCH BEGINS

Within a few months the set was complete, and I had acquired a few more radios in need of restoration. During a discussion over my next anticipated restoration, Sam casually mentioned an old tombstone that belonged to our grandfather (who had died more than twenty years before either of us was born). "It's in an old barn, and it's in pretty bad shape." My interest was immediately peaked to a fever pitch, and I left to search for the radio relic from my family's past.

As I opened the weathered barn door, a shaft

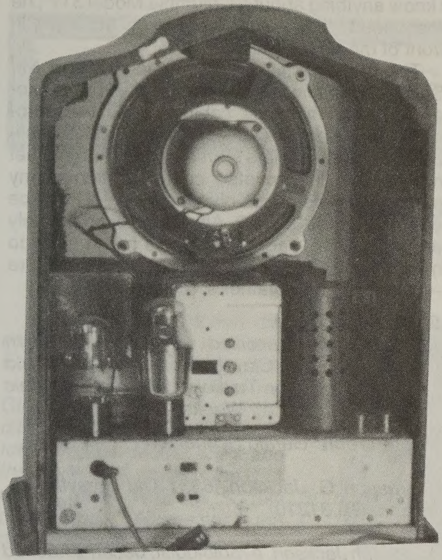


Figure 2. A rear view of the restored Columbia Model 31.

of sunlight illuminated a row of shelves on the inner wall of the corn crib, and there it was! Much to my dismay, it was not the magnificent vacuum tube monument I had envisioned. The cabinet was in a shambles — peeling veneer was lying all about like scales off a day-old mackerel. Both the cabinet and chassis were covered in a thick layer of greasy fat dripped down from country-cured hams which had once been stored overhead. It did not look encouraging, and I felt my heart sink.

After quickly surveying the tragedy, I decided that it was well beyond the scope of my abilities. The tubes could be salvaged but little else. Many components were missing; many were haphazardly replaced and several had obviously been delectable rat food. The choke was missing, and the plates of the tuning capacitor were warped and rat-gnawed. The speaker had no hint of a cone, and the grille work was missing. All the labels were gone; only the brass escutcheon plate gave the name of the maker — "Columbia," and I deduced it had been a TRF unit. Decidedly disappointed, I loaded the set onto my truck and headed for home.

COLUMBIA HISTORY

My brother saw the radio and agreed the restoration battle had already been lost, but he gave me more insight into its history as related by our late father. My family had managed a small farm store during the Depression. It was a place where field hands could barter their labor in exchange for food and clothing. The Columbia had been a focal point in the store and provided news and entertainment to those people who worked and traded there.

It was probably one of very few radios in the small farming community of Donovan, Georgia, where a gas-powered Delco plant provided only intermittent electricity. My family was of rather meager means, and anything they had was used to the fullest, a fact which explained the extensive make-do repairs that were painfully obvious beneath the Columbia chassis.

I brought the remains of the radio home and stored it in the basement, hidden behind several boxes so it woud be out of sight and out of mind. But it continued to gnaw at me, and I knew in my heart of hearts that I must try to restore the radio my grandfather had listened to — it was one of the few bonds to a grandfather I had never known, and it was my heritage.

The chassis was carefully cleaned, and the damage assessed. I would need a schematic. I had already developed a working relationship with the crew at Antique Electronic Supply. Their diligent search determined that my Columbia was a Model 31.

RESTORATION

With schematic in hand, I began the restoration with new vigor. The transformer still had life although the majority of other components had to be replaced. I found a near duplicate choke in a box of parts at a local flea market. The tuning capacitor was painstakingly disassembled, and the rotor plates individually straightened to prevent shorting to the stator plates. Hank Brazeal did a marvelous job reconing the speaker.

Several times while tinkering with the radio, I was again painfully reminded about the potent field coil voltage — some lessons come hard. Then it happened — a soft distant whisper in the background of harsh static. Although the station I received is but a few miles away and can often be plainly heard as a cheap substitute for Muzak on my telephone, the young Marconi could not have been more excited than I.

It was all downhill fine-tuning from here. After I had traced through the schematic more than once with a highlite pen and rearranged a few components, the volume and clarity had improved, but still remained less than I thought they should be. Mysteriously, reception would greatly improve when my hands were near the RF section and suddenly soften when I removed them. Yet another tedious tracing through the components revealed a previously overlooked open RF coil which was easily repaired and indeed showed signs of prior repair several decades before. The chassis was now complete and seemingly just as sensitive and powerful as it had ever been.

The cabinet had been left with my brother as a pattern for duplication since restoration was obviously out of the question. A large molding from the top and the brass escutcheon plate were the only salvageable items. A small remnant of grille cloth remained on the inside and was a readily available pattern. The grille work had been sawn out for some unknown reason leaving no clue to its original design. I exhausted all leads trying to locate the original grille design and had resigned myself to produce a composite generic design compiled from other sets of the era.

My brother had wiped what remained of the

(Continued on following page)

front of the cabinet as clean as possible with mineral spirits and determined it had been done in black lacquer. There was an impressive oriental design emblazoned on the front which included several raised islands linked by a bridge, and there were palm trees and a pagoda as well as numerous sea gulls flying overhead.

Gazing at this wonderful but faded scene, I now realized why this radio had been so popular in the old farm commissary — it offered a glimpse of a far away paradise that would remain only a dream to most of those poor dirt farmers ravaged by the Depression. Many were destined to be born to spend a life of toil and then die on the farm — never traveling further than the county line. This radio had been one of the few links to the outside world, and, if only for a few fleeting moments, a temporary escape from the grim reality of the times.

A much needed break in determining the cabinet design soon came through *Antique Radio Classified.* Thumbing through back issues, I read with interest an impressive article by Gerald Schneider of Maryland about his unusual Steinway Capehart (A.R.C., Feb. 1995). I had a strange feeling I had stumbled onto a hot lead when I read the epilogue about Gerald's fancy for radios with oriental motifs.

Directory assistance was able to provide me with his number, and I nervously dialed it knowing this might be my last hope. A pleasant gentleman answered, and I briefly told him of my plight. "Do I know anything about a Columbia Model 31?"; he responded, "I'm looking at one on the shelf in front of me as we speak!"

The missing link had been found, and Mr. Schneider graciously provided me with a photograph from which the cabinet could be reproduced. The oriental design on the front was duplicated by an associate's artistic wife, and the set now enjoys the coveted center portion of my mantle. The restored Columbia Model 31 can be seen in Figures 1 and 2. Although not completely an original, this radio will always mean more to me than any other I may have now or in the future — it was my grandfather's. It is family.

Special thanks to:
Antique Radio Classified, Hank Brazeal, Sam Jackson, Dr. Claude Pennington, Gerald Schneider, John Tucker of Antique Electronic Supply, and Larry Weeks.

Photo credit: *Gerald Schneider*

(Joseph G. Jackson, 6331 Old Forsyth Rd., Macon, GA 31210)

Joseph Jackson, a radiologist, became hooked on radio at age ten when he inherited his uncle's Delco 3-band receiver, which he still owns 30 years later. It may take another 30 years to restore his current backlog of sets. He also collects phonographs, telegraph equipment and medical devices, and hopes to start a collector's club in the middle Georgia area.

Electronic Labs Model 76RU — The Radio Utiliphone

BY WILLIAM S. MIEDEMA

Manufactured in 1947 or 1948, the Electronic Laboratories Inc. Model 76RU, Radio Utiliphone, shown in Figure 1, has several interesting features that I feel make it somewhat unique. The AM band (540 to 1620 Kc) uses permeability tuning rather than a variable capacitor. I've never seen this in a table radio before. The frequency scale moves left and right and is viewed through a magnifying lens in the cabinet.

The scale is backlit with a #47 dial lamp powered off the Type 35Y4 rectifier's filament tap. Other tube Types are a 14Q7 1st detector/oscillator, a 14A7 IF amplifier, a 14A7 RF amplifier, a 14F7 dual audio, and a 50A5 audio output — an odd assortment, sort of an "All American Five" in loktal. A solid-state diode is used as the 2nd detector. I am not a radio historian, but this is the only radio of this vintage I've ever seen with a solid-state detector.

As you can tell by the name, this radio doubles as an intercom with capability for four remote stations. The set was probably used in a small office building in the late '40s. Judging by the condition in which I received it from my brother (he got it at a garage sale), it had been used a lot over a long period. The rectifier and dial lamp were burnt out. The electrolytics were shorted. The 0.005 condenser off the center tap of the volume control was leaky, as was the "sound quality" condenser in the plate circuit of the audio output tube. After replacing these components and cleaning the switches, I had a fine sounding radio with good sensitivity and selectivity across the AM band.

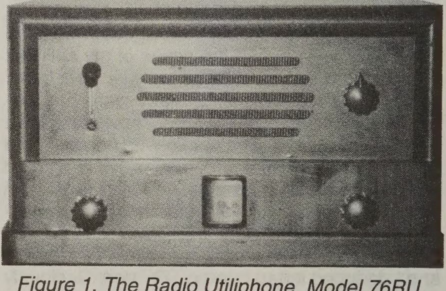


Figure 1. The Radio Utiliphone, Model 76RU.

The last thing was to restring the dial cord. This took about as long as all the other repairs, since I am all thumbs when it comes to this job. There must be an easier way, but I haven't found it. After cleaning up the nice dark wood cabinet, I had a quite presentable addition to my collection.

(William S. Miedema, 101 Devonshire Rd., Tower Lake, Barrington, IL 60010-1209)

COLLECTING FOREIGN SETS

A Sparton In Paris!

BY AL KLOPMAN

Al Klopman's European discovery makes a nice sequel to Ed Sage's October 1996 article — "The Romance of Mirrored Glass Radios." Al describes the differences between the Sparton European Model 457X and the Model 557, which is the U.S. cobalt glass version. Sage's peach Model 558 has some minor variations. (Editor)

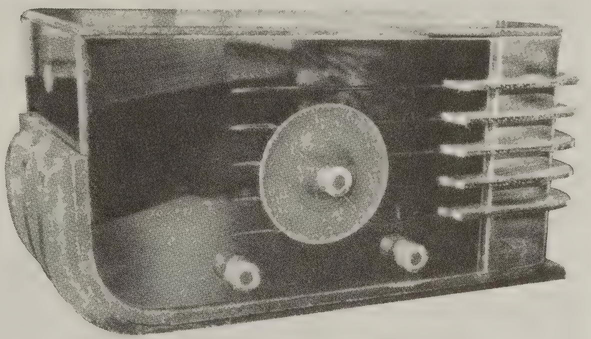


Figure 1. The European Sparton Model 457X blue mirror glass radio.

In March 1987, my wife and I planned our trip to Sorrento, Italy, where her brother, who was in the Navy, was getting married. We decided to make the most of our European journey by buying a Eurailpass and seeing as many countries as we could in the three weeks. After flying to London and spending a couple of days seeing the museums and pubs, we took the hydrofoil to Calais. There we began our rail journey through France, Switzerland, Italy, and Germany, where we would take a plane back to the U. S.

We enjoyed Paris so much that we extended our stay there several days. One afternoon, while exploring an out-of-the-way back street, I happened to glance into the window of an old curio shop and there, amongst the glassware, old silver and years of dust, was a Teague designed Sparton blue glass radio. (I am familiar with Walter Darwin Teague designs, as I have a small camera collection which includes a beautiful Teague designed Kodak Bantam Special camera.)

My wife reminded me that the major part of our European trip lay ahead of us, and that backpacking a fragile glass radio around Europe would be cumbersome and risky. However, I decided to bargain with the shop owner in in my broken French for the prize in his window. A little while later and a lot of francs lighter, we were shopping for a soft bag in which to pack our prize. We bought an oversized soft-sided bag with the thought of surrounding the Sparton with our laundry as we traveled. Two weeks and several thousand miles later, we somehow made it back to the U. S. with our Sparton undamaged from the journey.

EUROPEAN AND U.S. MODELS

We have since discovered that our find may be extremely rare. The radio we found is Model 457X, shown in FIgure 1, which was the European edition of the cobalt glass Sparton 557 table model made for U.S. consumption. The radios are similar with notable exceptions. The European 457X has a round tuning window, while the window of the 557 is square. The 457X has a tuning knob in the center, unlike the U.S. models which have three or four knobs at the bottom.

Instead of just station tuning numbers, the 457X dial individually lists the various station locations as they were (and spelled) in 1936 Europe. The dial, printed in black on top and red on the bottom lists some thirty station locations, including Eiffel, Frankfort, Florence, Hamburg, Prague, Berlin, Budapest, Paris, Lenningrad, Oslo and Moscow. The dimensions of the radio are basically the same as the table models made for American use: approximately 17½" wide x 9½" high x 9" deep.

To our additional surprise, in researching the radio with several authorities and club historians, we concluded that this radio may be the sole surviving example of the European blue glass Sparton to survive the bombing of World War II. Other than slight wear on some of the black wood trim on the knobs, the radio is in remarkably good condition with no scratches or nicks on any of the glass surfaces. In a sense, this extraordinary Deco design radio has come full circle in that it was manufactured in nearby Jackson, Michigan, over 60 years ago. Now, not much worse for wear and thousands of miles later, it has returned home to Michigan where we live.

I don't know what this rare gem is worth, but now when we travel, my wife never complains when I want to stop and venture into the out-of-the-way curio shops.

(Al Klopman, 533 South Kenwood, Royal Oak, MI 48067)

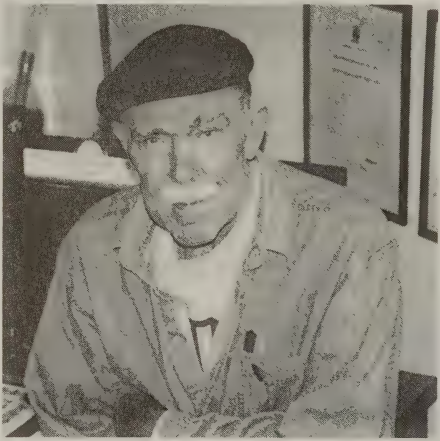
COLLECTOR TRIBUTE

The Passing of a Legend — Bruce L. Kelley, W2ICE

BY DOROTHY SCHECTER WITH INPUT FROM WILLIAM B. FIZETTE, LAUREN PECKHAM, AND JOHN V. TERREY

Just before press time, A.R.C. received the sad news of the passing of Bruce Kelley on November 6, 1997, at his home after a brief illness. At age 82, Bruce was the last surviving founder of the Antique Wireless Association and its museum, which date back to 1952. His partners in that extraordnary enterprise were the late George Batterson, W2GB, and the late Lincoln Cundall, W2GB. The three had come together because of their mutual interest in the history of wireless communications.

Bruce had been diagnosed with cancer in the summer and was unable to attend the annual A.W.A. Conference in September. However, his presence, as always, was felt, and many members visited him before and after this event — even up to a few days before his death. No matter what the obstacles, Bruce always found time for action on the radio front.



Bruce Kelley, Oct. 1997 photo by Rikki Van Camp.

Bruce had a long and dedicated involvement with radio. Starting with his licensing as W8ACY in 1929 while he was still in high school, he rapidly became an active radio amateur. His DX record in the 1930s was so outstanding that he was mentioned three times in *QST*, including one feature article on his then unique 20-meter wire antenna.

Intrigued by vacuum tubes and their history, Bruce started a tube collection. By 1948, when his interests had expanded to other early communications apparatus, he and George Batterson combined their collections and established a small museum in Bruce's barn in Spencerport, New York. At the 1948 Hamfest of the Rochester Amateur Radio Association (RARA), Bruce exhibited many of the museum items. In 1952, he combined a slide show with the exhibit. The time-consuming work involved in the museum, exhibits, and slide shows led to the formation of a small club to share the labor. Thus, the A.W.A. was born.

By 1954 A.W.A. was flourishing with 155 members, all of whom were required to be radio amateurs and members of the Antique Radio Relay League (ARRL). Bruce, by then W2ICE, served as secretary and museum curator. Still, the early intention was not to make A.W.A. a separate entity. Instead, A.W.A. was an affiliate of ARRL — a far cry from today when radio collecting has its own clubs, publications, and encompasses many more activities than just amateur radio. Today, A.W.A. has over 4,100 members, the radio amateur requirement has been dropped, and the museum boasts an endowment of close to $400,000.

A.W.A. GOALS

In a May 1959 article in *QST*, Bruce wrote about A.W.A.'s three main goals: first, to maintain one of the largest amateur club museums in the country; second, to produce a number of movies and slide shows for amateur meetings and to turn them over eventually to the ARRL to loan out to affiliated clubs; and third, to display equipment at various gatherings. In this latter area, Bruce noted that the A.W.A. exhibit had won a first prize at the 1958 ARRL National Convention in Washington, D.C. — an impressive beginning. All three goals have been achieved many times over since 1958.

For example, the museum goal took on a new dimension in 1958 when Bruce moved to Holcomb (now Bloomfield), New York, and re-established it in his new old carriage house. By 1970, the need for more space had become acute and the decision was made to lease and refurbish the 1837 Academy Building in Bloomfield. Later, a separate A.W.A.-owned facility was developed about a mile away.

Gradually the museum branched off from radio into other areas of communication, including wire recorders, televisions, phonographs, and telegraph keys. As the first organization in the world dedicated to the history and preservation of electronic communication equipment, A.W.A. has loaned equipment to such prestigious institutions as the Smithsonian, and to documentary producers like Ken Burns of *Civil War* and *Baseball* fame.

As for the film and slide show goal, Bruce developed and presented to an ever-widening audience shows of wireless history. He continued these and other outreach programs, along with his other AWA activities, until forced by ill health to retire just recently.

As Lauren Peckham said in an interview with the *Canandaigua Messenger*, "He was one of those guys who thought everybody should be interested in radio history. He was a real salesman, and he would really push. His enthusiasm never faded."

The third goal — to display equipment at various gatherings — was the purpose of the first of the national (later international) A.W.A. Annual Conferences, which was held in the Kelley backyard in 1963. Testimony to the growth of this concept is the 1997 Conference, which was held at the Thruway Marriott in Rochester, New York, with more than 1,000 attending from around the world. The A.W.A. has become a worldwide association due in large part to Bruce's continuing dedication and ability to inspire others to pitch in to help with the ever-growing work load.

A MULTI-TALENTED MAN

Bruce was a man of many talents. He published the first issue of the *Old Timers Bulletin* independently in 1960, and its favorable reception led to its becoming the official journal of the A.W.A. He remained its editor for many years.

There is no question that Bruce was a natural leader and a salesman, with a never-ending interest in his subject and the ability to communicate it to others. He was also ever-ready to help anyone with a problem.

In addition to the A.W.A., he was very active in the Rochester Amateur Radio Association, the Radio Club of America, the American Radio Relay League, and many other amateur and historical groups. His name was synonymous with wireless history, and he was an acknowledged expert in several related fields. His friends and acquaintances included many of the legendary figures of the early days of radio. Perhaps Ed Gable, the new curator of the museum, said it best, "There is no doubt about it, I will not be filling Bruce's shoes — no one can."

A service celebrating Bruce's life was held in Bloomfield, New York, on November 13. Memorial contributions may be sent in the name of Bruce Kelley to the AWA Museum Building Fund in care of the treasurer, Dexter Deeley, 8 Briar Circle, Rochester, NY 14618, or to the Ontario-Yates Hospice, 756 Premption Rd., Geneva, NY 14456.

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Kurvach, Deborah. "Antique Wireless Leader to Sign Off." *Canandaigua Messenger,* October 8, 1997.

(Dorothy Schecter, c/o A.R.C., Box 2, Carlisle, MA 01741)

Club Newsletters vs. Club Journals

BY GERALD SCHNEIDER

Radio clubs have more trouble money-wise and otherwise with their newsletters than anything else they do. Regular newsletter printing, article solicitation, editing, postage, timely mailing, etc., all pose problems. Volunteers to publish and distribute the newsletters vary in number and quality, and change periodically. Surely there is a better way.

There is! More clubs should distinguish between a genuine newsletter and a journal, and act accordingly. Most club members, for example, just want to know about the next meeting, how the last meeting went, what else related to radios is going on nearby, etc. They also want classified ads. That is all that is necessary for a newsletter. And these things may demand only a one-or two-page issue sent routinely.

Radio collecting journal-type articles are nice for authors and readers, but not essential for local clubs. The heart and soul of any radio collecting club are the get-togethers. That is where collectors have personal contact with each other, and radios exchange hands. Newsletters with only the news items mentioned earlier will suffice to keep member relations between meetings.

There may be a need for a dedicated national or international radio collecting journal. However, until one comes along, writing for periodicals that reach most collectors will do the most good. *Antique Radio Classified* with over 8,000 subscribers best meets that standard now.

Informative articles authored by knowledgeable collectors deserve the largest audience. How else to properly repay these volunteer writers for their time and effort? Moreover, a large readership, country-wide or worldwide, is needed to give feedback which adds information to that which articles provide. Just look at the added learning readers get from letters in A.R.C. in response to articles published. There is not enough expertise in any local club to add as much.

For example, I received a copy of an article on Art Deco and radios in the periodical of a western radio collecting club that I was unaware of. It came in response to my "Art Deco and Radios" article in the June, 1996 A.R.C. Had I seen that before I wrote my article, different as it was, I would have written mine to capitalize and expand on it. Readers around the world would have had even more information on Art Deco and radios than they did.

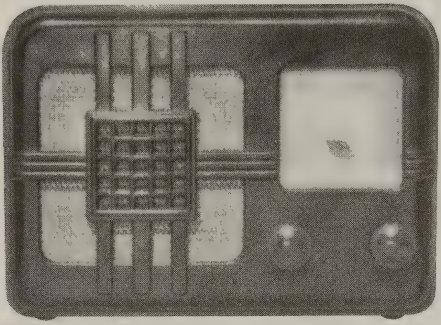
In one sense, the rest of us collectors are being shortchanged by not seeing the educational efforts of local club newsletter writers. Also, given labor needs and high financial costs, local clubs are spending too much money on journal-type newsletters to reach too few readers.

No doubt there are some reading this argument who disagree. I would be surprised if that were not true, given my own experience. I will welcome other comments, and would hope that A.R.C. would as well.

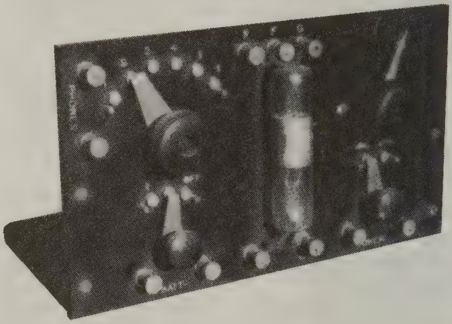
(Gerald Schneider, 3101 Blueford Rd., Kensington, MD 20895)

PHOTO REVIEW

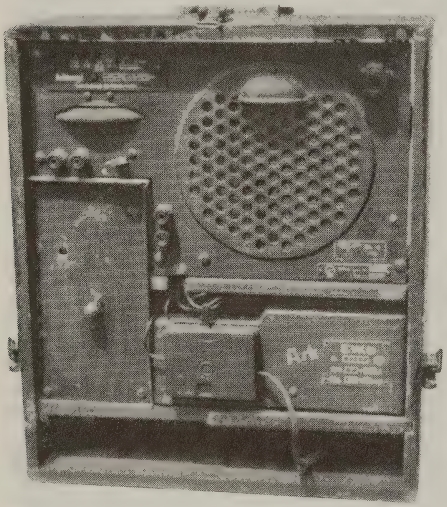
This column presents in pictorial form many of the more unusual radios, speakers, tubes, advertising, and other old radio-related items from our readers' collections. The photos are meant to help increase awareness of what's available in the radio collecting hobby. Send in any size photos from your collection. Photos must be sharp in detail, contain a single item, and preferably have a light-colored background. A short, descriptive paragraph **MUST** be included with each photo. Please note that receipt of photos is not acknowledged, publishing is not guaranteed, and photos are not returned.



LYRIC MODEL 546T – Here is one we don't see very often. This 1946 Lyric, made by the Rauland Corp., 4245 Knox Ave., Chicago, Ill., is an AC-DC set with the standard broadcast band. Brown Bakelite plastic with a gold grille cloth and gold dial scale, it also has a back plate made of the same material as the rest of the cabinet. This back plate fits like a glove and gives the set a very solid feel and look. Is it a little Art Deco? (*Richard Arnold – Lone Grove, OK*)

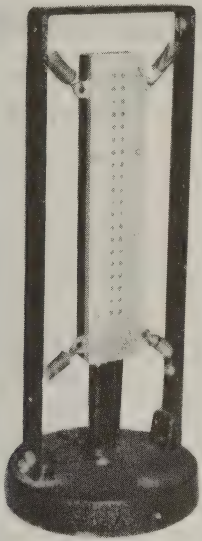


REMLER DETECTOR PANEL – This simple stand-alone panel was the first radio unit offered by the Remler Mfg. Co. The panel and stand is identical to the one sold by the Audiotron Sales Company of San Francisco in 1919. The stamped Remler name is located on the lower-right corner of the panel and seems to have been added later. The panel uses a tubular audion similar to the Cunningham Audiotron shown here. *(Dave Crocker – Mashpee, MA)*

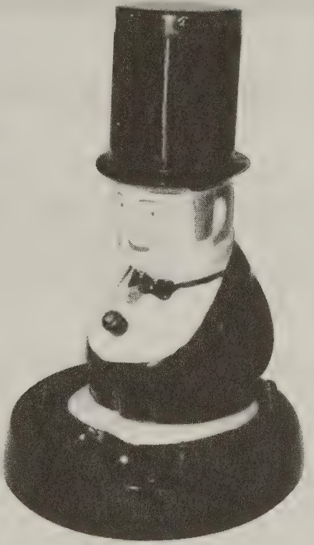


WORLD WAR II GERMAN MILITARY SET MODEL UNKNOWN – This German military set has no model number, but it does show 1943 as the year of manufacture. It's a simple 4-tube set with only one band. The tuning knob is similar to the ones used by Grebe in its Synchrophase radios of the 1920s. My guess is that it was a broadcast receiver for troop entertainment. Although normally battery-operated, there is a German AC power supply unit in it. The power cord has been changed to North American style. Someone wired in an equivalent American tube to bypass a DAF-11. The tube complement is Types DAF-11, (2) DF-11, and DCH-11. I haven't tested the radio, but it must have worked in the U. S. (*Ron Boucher – Goffstown, NH)*

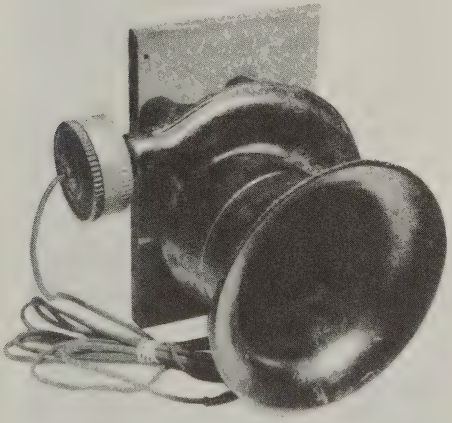
PHOTO REVIEW



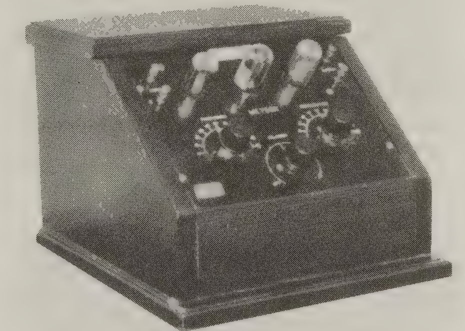
TELEFUNKEN MICROPHONE – This 10½" tall vintage microphone has two Telefunken labels, and inside the hollow cast iron base is the mark "ELA MZ 003/1." I am not a "microphone person" and would appreciate any information addressed to A.R.C. *(Jim Watson – Coarsegold, CA)*



"UNCLE TOM" CRYSTAL SET, GRAFTON CHINA WORKS, BRITISH – This 1924 novelty crystal set is a glazed china figure, 9" high, with red, brown, and black enamel decoration. Note the catwhisker attached to the bow tie and the crystal as a diamond stud attached to the waistcoat. Look closely, and you will spot the enamelled coil wound around the top hat. *(Jim Taylor – Winton-Bournemouth, England)*



HORN SPEAKER – Although it looks like a spittoon, it is really a horn speaker. This oddly shaped horn speaker uses an Atwater Kent Model M driver and has excellent sound. It was probably mounted in a console radio cabinet or speaker table. *(Robert Bailey – Jacksonville, FL)*



METEOR – This set, ca. 1924, was sold by the Sears Roebuck Company, but manufactured by the Radio Shop of Long Beach and Sunnyvale, California, under the Armstrong patent. The three Type 199 tubes stick out of the panel. *(Wally Worth – Wollaston, MA)*

RESTORATION TOPICS

Capacitors in Old Radios — Part 1

BY RAY BINTLIFF

This first in a series of articles about capacitors covers some basic theory that may be of interest to the novice collector and also serve as a refresher for the technically inclined reader. In addition, the construction and testing of capacitors are described. (Editor)

Many collectors consider it desirable to replace all of the fixed capacitors in an old radio during the course of repair or restoration. In advertisements and at flea markets we often see offerings of radios that have been "recapped" (i.e., radios in which all capacitors have been replaced). Is it worth the cost in time and material? Should all old radios be recapped?

This series of articles will attempt to answer these questions and assist you in making a decision about how you should treat a particular radio. But first, it may be useful to review some basic information about capacitors.

As you are probably aware, capacitors were originally called "condensers." The term "capacitor," introduced in the mid-1930s, describes their function more accurately because a capacitor does not condense. Rather, it has the capacity to store an electrical charge. The radio industry was slow to change, and the word "capacitor" did not gain widespread use until the mid-1940s.

During the late '30s and early '40s, both terms appeared in radio service notes depending upon the policy of the manufacturer. GE, Hammarlund, and RCA were among the first companies to adopt the term "capacitor." But curiously, they also used the old terminology for such descriptions as "filter condenser," "variable condenser" and "tuning condenser." However, the new term prevailed, and today we generally speak about capacitors rather than condensers.

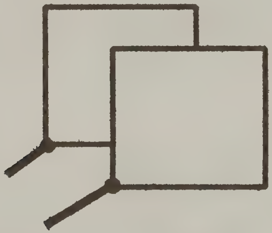


Figure 1. A simple capacitor consisting of two metal plates in close proximity, with air as the dielectric.

CAPACITOR CONSTRUCTION

A capacitor in its simplest form resembles a sandwich and consists of two metal plates which are separated by an insulator. This insulator is given the special name of "dielectric" when used in a capacitor. A wide variety of materials, including air, may be used as the dielectric.

A simple capacitor made up of two plates and an air dielectric is illustrated in Figure 1. Its capacitance can be increased by enlarging the area of the conductive metal plates or by decreasing the spacing between those plates. (The spacing between the plates is determined by the thickness of the dielectric when a solid dielectric is used.)

Conversely, smaller plates or greater spacing will produce a smaller capacity. The type of dielectric material used will also affect capacity. Dielectric materials and their effects are covered in greater detail below.

PRACTICAL CAPACITORS

A simple capacitor comprised of only two plates yields a very small capacity. As described above, a larger capacitance can be achieved by increasing the area of its plates, but obviously, there is a practical limit to the physical dimensions of these plates. Imagine trying to cram a one-foot-square capacitor into a radio!

Multiple plates and layers of dielectric material can be used to produce greater capacity. Stacked like a multilayered sandwich, the alternate plates of the capacitor are connected electrically. This type of construction is shown in Figure 2. Stacking effectively increases the area of the plates while keeping the capacitor's physical size within practical limits. This configuration, using a mica dielectric, can be found in very early battery-

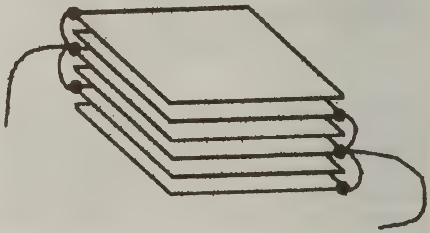


Figure 2. A multilayered capacitor consisting of stacked plates and dielectric material.

operated radios. An example of this capacitor is shown in Figure 3.

The multilayered, or stacked, type of capacitor is limited in the amount of capacity that it can provide. To achieve the high capacity values needed in some radio applications, a different type of construction is required. If long, but narrow, strips of metal foil are used for plates, then the foil and a suitable dielectric can be rolled up into a cylinder shape, much like a jelly roll, as depicted in Figure 4.

This type of construction is used to produce the compact capacitors found in most radios. Figure 5 depicts a typical paper capacitor. Originally, these types of capacitors utilized paper as the dielectric material. As a consequence, they are often referred to as paper capacitors, even though present-day capacitors use plastic film instead of paper.

Not all of these capacitors were tubular shaped like those shown in Figure 5. Some early capacitors were flat, as depicted in Figure 6. In some radios, two or more capacitors were housed in a metal or cardboard "can" to form a multisection capacitor. Philco used molded Bakelite shells to hold single and double capacitors — the infamous Bakelite block capacitors.

CAPACITOR RATINGS

Capacitors are rated in terms of capacitance and voltage. The unit of capacitance is the farad. A microfarad is one-millionth of a farad. A picofarad is one-millionth of a microfarad. Both terms are commonly used to express capacitance value. In old radio literature, the abbreviations "mFd" or "mF" are used to denote microfarads and "mmF" (micromicrofarad) for the current term "picofarads."

Voltage ratings usually represent the maximum operating voltage to which a capacitor can be subjected without causing damage to the capacitor. This voltage rating is called "working voltage." Electrolytic capacitors may also carry a "surge voltage" rating. This rating indicates the maximum short-term or transient voltage that may be safely applied to a capacitor. The surge voltage is usually about 15 percent higher than the rated working voltage.

DIELECTRIC MATERIALS

In theory, any insulating material can be used as a dielectric. But those most commonly used include air, mica, ceramic, paper, chemical film and various plastics. For example, air is the dielectric in tuning capacitors. Mica was the typical dielectric used in the stacked type of construction found in early battery radios. Paper capacitors impregnated with wax or oil came into wide use because of their low cost and ease of manufacture.

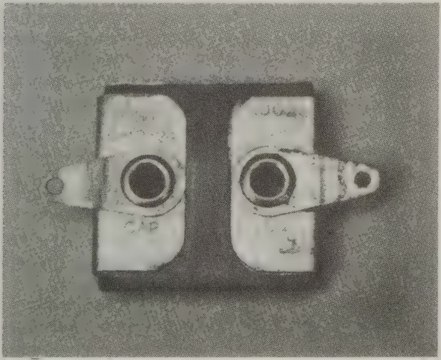


Figure 3. An example of the mica capacitors found in early battery sets.

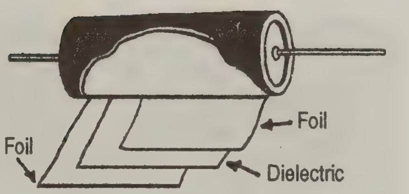


Figure 4. A simplified drawing of a cylindrical-shaped capacitor.

Present-day capacitors use polyester, polypropylene, polystyrene and similar plastic films rather than paper as the dielectric. Ceramic material is also a commonly used dielectric in post-World War II capacitors.

Worthy of special mention is the electrolytic capacitor. This type of capacitor utilizes an extremely thin layer of oxidized aluminum as its dielectric. Remember that capacity increases as the spacing between the plates is reduced. Therefore, this very thin dielectric makes it possible to achieve very high values of capacity in relatively small packages. Since the early days of AC-operated radios, "electrolytics" have been in use as filter and cathode by-pass capacitors.

A DIELECTRIC'S EFFECT ON CAPACITY

Earlier, we mentioned that the type of dielectric material used in a capacitor will have an effect on its capacity. For a given plate size and spacing, some dielectrics will produce a greater capacity than others. The use of air as the dielectric will result in the smallest capacity for a given plate size and spacing.

A dielectric's effect on capacity as compared to an air dielectric is called its "dielectric constant." Some values of dielectric constant are the following:

Air = 1.0
Mica = 5.4
Paper = 3.0
Teflon = 2.1

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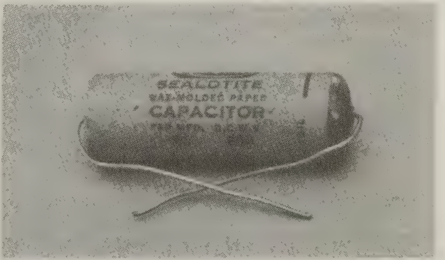

Figure 5. A typical paper capacitor found in old radios.

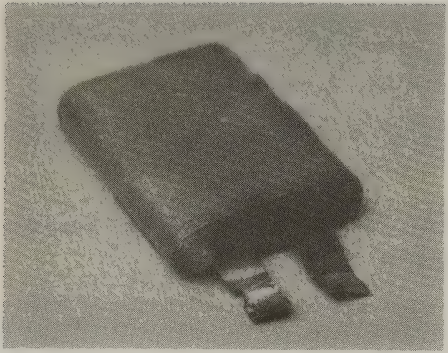

Figure 6. An example of an early paper dielectric capacitor in a flat-wound configuration.

(Capacitors, continued)

For example, if a 50 pF capacitor was constructed using air as the dielectric and then mica was substituted as the dielectric, the capacity would increase to 270 pF (50 x 5.4).

Another important characteristic of a dielectric is its ability to withstand the application of high voltage. The voltage at which a dielectric will no longer function as an insulator is referred to as its "puncture voltage" or "breakdown voltage." Examples of breakdown voltage ratings, based on a dielectric thickness of 0.001 inch, are shown below:

Air = 21 volts
Mica = 4,500 volts
Paper = 200 volts
Teflon = 1,500 volts

WHAT IS THE "BEST" DIELECTRIC?

The choice of a dielectric depends upon its intended application and the desired characteristics of a capacitor. After looking at the dielectric constant and breakdown voltage ratings shown above, you might reach the conclusion that it would be a good idea to use only mica as the dielectric in capacitors. Unquestionably, mica stands out as a superior material. But there are other considerations, such as cost and physical size.

Mica capacitors are more expensive than paper capacitors. Mica is a more costly material than paper, and the fabrication of mica capacitors is more labor intensive. It is easier to automate the manufacture of paper capacitors. The use of mica capacitors is usually reserved for those applications which call for a high voltage rating or good stability. Paper capacitors, because of their lower cost and smaller size, are more widely used.

The relative advantages and disadvantages of capacitor types found in old radios are summarized below:

Electrolytic. This type of capacitor provides large values of capacitance in relatively small packages at low cost. They exhibit high leakage current as compared to other types (more on leakage current later). Electrolytics found in old radios usually have working voltages not greater than 400 to 500 volts and values in the range of 2 mF to 50 mF. These old capacitors deteriorate with age and frequently need reforming or replacement. The working voltages and capacities cited in this article are intended to serve as examples only. Exceptions to these general statements are certain to be found in some radios.

Paper Capacitors. Relatively inexpensive, this type of capacitor produces lower leakage currents than electrolytic, but smaller capacity values as well. Values of paper capacitors usually start at about 0.0005 mF and range upward to 1 mF or 2 mF. Their rated working voltages are usually 200, 400 or 600 volts. These capacitors are a frequent source of problems in old radios because of dielectric failures.

Micas. These capacitors offer high reliability and very low leakage current, but are more expensive than other types of capacitors. Typical values fall into the range of 5 pF to 0.005 mF. Mica capacitors are capable of withstanding very high voltages. As a result they found wide application in transmitting equipment. Micas also have good temperature stability — their rated capacity stays fairly constant with changes in operating temperature.

TESTING CAPACITORS

So much for basics. Now, let's consider the characteristics of a capacitor that are important to its performance in a radio circuit. We have already mentioned the rated capacity and working voltage. Certainly, these are important attributes. But there is another equally important characteristic and that is a capacitor's internal resistance.

If a perfect capacitor could be built, it would have an infinite internal resistance. In the real world, all capacitors exhibit some internal resistance because dielectrics are not perfect insulators.

Internal resistance in a capacitor is shown schematically in Figure 7, where C represents the capacitor and R its internal resistance. The internal resistance has the same effect as a resistor connected in parallel with the capacitor.

A good capacitor will have a very high internal resistance, typically in the order of several megohms. When the internal resistance of a capacitor falls to some lower value, the capacitor may not function properly. In fact, the capacitor may func-

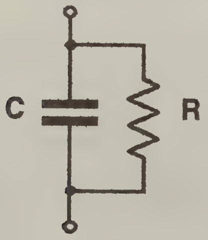

Figure 7. The equivalent schematic of an electrolytic capacitor where R represents the capacitor's internal or "leakage" resistance.

tion more like a resistor. In turn, the radio circuit in which the capacitor is used may not operate correctly.

A high internal resistance is desirable because capacitors are used to block DC voltages but allow the passage of AC voltages. If the internal resistance is low, some DC voltage will pass or "leak" through the capacitor. More on this subject later. Since internal resistance is an important factor in a capacitor's performance, it seems logical that measurement of this resistance value will provide a means for determining the quality of a capacitor. Resistance measurements taken with an ohmmeter will provide a crude indication of the condition of a capacitor. Other test methods can provide a more exacting assessment.

LEAKAGE CURRENT

Measurement of a capacitor's leakage current is a better, widely used method of testing. Measurement of the leakage current is performed with an applied voltage that is equal to the capacitor's working voltage. Such a test setup is illustrated in Figure 8. As before, C represents the capacitor and R its internal resistance. By connecting a DC voltage to the capacitor and inserting an ammeter M in the test circuit, the current flowing through R can be measured. This current is called the "leakage current."

No current will flow in a perfect capacitor since the internal resistance is infinite. But as noted above, real capacitors and their dielectrics are not perfect. Therefore, some small current will flow in a good capacitor, and that current can be measured by a sensitive ammeter, usually a milliammeter. A decrease in the internal resistance of a capacitor causes an increase in the amount of leakage current and vice versa.

Since the basic function of a capacitor is to prevent or "block" the flow of direct current, an excessive amount of leakage current in a capacitor indicates that it is incapable of performing its intended purpose. A defective capacitor, either "shorted" or "leaky," will cause an excessive amount of current to flow because of its low internal resistance. Therefore, the condition of a capacitor can be evaluated by measuring the amount of this leakage current.

When a variable DC power supply is used as the DC voltage source shown in Figure 8, the output voltage can be set to the rated voltage of the capacitor to be tested. Then, the capacitor can be evaluated by measuring the leakage current at its rated working voltage or, if desired, at its actual operating voltage in a particular electronic circuit. This basic test method is used in most commercial capacitor testers to perform leakage tests.

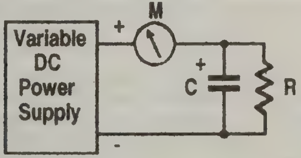

Figure 8. A basic test setup for measuring leakage resistance.

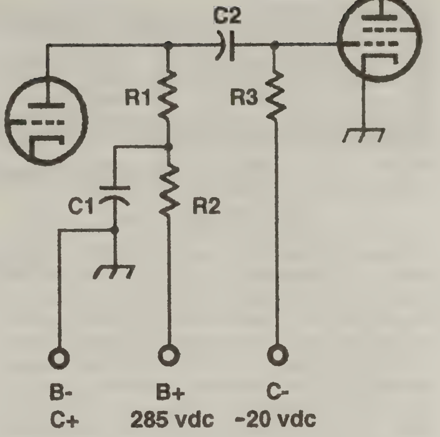

Figure 9. A partial schematic of an audio circuit that illustrates the effects of a failed capacitor.

The following examples will demonstrate the effects of excessive leakage current in an actual circuit. Over time, low-resistance paths or complete breakdown may occur in the paper dielectric of a capacitor because of the combined action of impurities, moisture and heat, along with the stress of high voltage.

SHORTED CAPACITORS

For a worst-case example, let's assume that the dielectric failure is complete and that the alternate plates of the capacitor are in direct contact with each other. We now have the classic short-circuit, and the internal resistance of the capacitor will drop to only a few ohms. This low resistance value will cause the "shorted" capacitor to draw a very heavy current. The symptoms which result from this failure are likely to be quite apparent. The actual symptoms will depend upon the circuit location of the shorted capacitor. Some of the effects produced by a failed capacitor can be explained by using the partial schematic diagram shown in Figure 9.

For the first example, let's suppose that C1 has failed. Used as a bypass capacitor, C1 is connected from the junction of the plate load resistor R1 and the voltage dropping resistor R2 to the chassis ground. Because C1 is shorted to ground, the full B+ voltage of 285 volts now appears across R2, and the current through R2 is much greater than that experienced in normal operation. The current I through R2 can be calculated by using Ohm's law, where I = E/R or 0.0114 ampere. (I = 285 volts/25,000 ohms).

Since the amount of current flowing through R2 has increased, the power dissipated by this resistor will also increase. The power P dissipat-

(Continued on following page)

(Capacitors, continued)

ed by R2 can be calculated by the formula P = E x I. The power dissipated by R2 is 3.249 watts (P = 285 volts x 0.0114 ampere). In a typical radio, a half-watt resistor would be adequate for R2. But when C1 is shorted, more than 3 watts of power will be dissipated by R2, and the resistor will overheat, probably burn and emit a telltale odor. In this example, the overheating of R2 is an obvious symptom which points to a failed C1.

LEAKY CAPACITORS

However, a capacitor need not fail completely to affect the performance of a radio. For the second example, let's assume that the audio coupling C2 becomes "leaky," and its internal resistance has dropped to approximately 500,000 ohms (a relatively high resistance, but one that is low enough to cause a problem in this type of circuit).

In normal operation as a class A amplifier, this audio output tube operates with a negative grid bias of about 20 volts. When C2 becomes leaky, it acts more like a resistor than a capacitor and causes a positive voltage to appear at the grid of the output tube. Improper grid bias in an audio amplifier will result in a noticeable amount of audio distortion.

The need for instruments to check the condition of capacitors came quite early in the history of radio. The driving forces were probably the use of paper capacitors that were more prone to failure, and the use of the higher operating voltages found in AC sets compared to the relatively low voltages found in battery-operated radios.

The earliest capacitor testers were rather simple devices. By the mid-1930s, these instruments had become more sophisticated and were capable of testing for both leakage current and capacity. Commercial capacitor testers will be covered in Part 2 of this series about capacitors.

(Ray Bintliff, 2 Powder Horn Ln., Acton, MA 01720)

Ray Bintliff, W1RY, holds an Amateur Extra Class license. A member of the A.R.C. staff and a retired RCA engineer, he enjoys repairing and restoring pre-1945 radios and test equipment. In addition to Amateur Radio, his interests include electronic equipment design and audio reproduction.

Advertising and Business Etiquette

BY GEORGE B. SHIELDS, JR.

During the past several months, I have experienced a growing frustration when doing business with advertisers in A.R.C. Because of this, I felt it would be appropriate to remind everyone of some simple advertising and business etiquette which will help make radio buying and selling more pleasurable for us all.

When advertising, *please* describe the condition of your merchandise honestly! This means condition of both body and chassis, as well as completeness. It seems that nearly half of the radios which I have purchased over the past year fell far short of the advertised quality. In several cases, radios which were sold as "original" had numerous replacement parts attached, some of which didn't come close to matching the original; in other cases, sets described as "complete" had parts missing altogether — in one case the speaker was missing and the sub-chassis had been partially gutted!

Second, merchandise should be shipped on a timely basis when payment arrives. Following interstate banking reform several years ago, out-of-state checks now clear within 48 hours. If you prefer to wait longer, you should indicate this to the buyer and recommend a USPS Money Order to avoid check clearing delays. In the recent past, I had sent a money order as requested by the seller and still waited nearly 5 weeks for the radio to be shipped! The seller's excuse was that he only shipped once a month, after all sales activity for the current ad had died down. Of course, he didn't explain this when selling the radio to me!

Third, package your sets cleanly and carefully. Much has been written in this publication about proper packaging. I would also like to add "cleanliness" to the packaging tips. How often have we received an otherwise fine radio in a box with dirt, scraps, and other disgusting debris as filler? Use either foam padding, air foam wrap or Styrofoam when packing your set. In a pinch, use clean newspaper, preferably not shredded. If none of these are available, take your radio to a packaging shop such as Mail Boxes, Etc., and let them do the job for you. It helps keep your customer happy, and that radio sold!

Finally, be prepared to take back cheerfully anything that doesn't meet the buyer's expectations. This can be a fuzzy area, because, as we all know, "excellent" to one may only be "fair" to another. Condition is frequently a judgment call. Although it is my practice when advertising in A.R.C. to describe my offerings as accurately as possible, there have still been a few times when a radio did not meet a buyer's expectations. Unless the radio was damaged by the buyer, I always offer to take the set back for refund. It is just better business. It doesn't imply that the seller was necessarily at fault, only that the buyer and seller viewed the condition of the piece in question differently.

We share in a great hobby as well as in an important and relevant part of preserving our past. If we all follow these courteous steps, our pleasure in collecting will be greatly enhanced!

(George B. Shields, Jr., 108 Jacques Ln., Somerset, NJ 08873)

MEET AND AUCTION REPORT

HVRA/AWA Convention '97

Houston, Texas — May 2-4, 1997

BY BILL WERZNER

The Houston Vintage Radio Association (HVRA) and the Antique Wireless Association (AWA) held the 18th annual convention at the Ramada Hotel Astrodome in Houston, Texas, on May 3-5, 1997. Although there were some scheduling and hotel problems, these were resolved, and many felt that this was the club's best organized event to date.

Of the 677 lots offered in the auction, 614 were sold. The total gross was $16,706, not quite the record breaker of last year. The Friday auction participants numbered 72, while the Saturday crowd was a bit larger with 82 registered.

Highlights of the auction included an American Bosch clock radio selling at $500, a Zenith chairside at $350, a 1938 Zenith console at $600, and a Victrola console at $300.

Planning is underway for the 19th annual convention and mega auction, which will be held January 30 and 31, 1998. This change from May to January for the annual convention means a cooler climate for the event, as well as better hotel arrangements and better coordination with the schedule of the Dallas area club. [It's great to see clubs working together!] Input of ideas and help are always welcome.

NT=no tubes, WT=with tubes, unk=unknown

Altec mixer	$8
American Bosch clock radio	500
Arvin Rhythm	25
Astatic D-104 microphone	43
Atwater Kent 20 battery set, NT, unk	65
Atwater Kent 42, WT	43
Atwater Kent 44, unk, (2)	20, 28
Atwater Kent 46, WT	20
Atwater Kent 55	15
Atwater Kent 70, in cabinet	160
Atwater Kent 376 console	28
Atwater Kent E speaker, (3)	25, 40, 45
Atwater Kent E3 speaker, (3)	33, 45, 55
Atwater Kent F2 speaker, unk	18
Audiophone horn speaker	130
Auditorium reflex speaker	120
Brunswick cabinet radio, 1929	200
Bulova clock radio	25
Bush, British Bakelite, 220V	40
Bush Gaumont, British	8
Crosley Ace 3B, battery	85
Crosley 56TC	100
Crosley 58	90
Crosley 2420, plastic	10
Crosley Dynacone F speaker	70
Crosley Showbox, metal	10
Crosley Super 8	50
Crosley XJ, audios check good	170
Dynaco	50
Echophone table, wood	65
EICO AM/FM tuner	15
Emerson Deco table	230
Emerson fan	55
Hallicrafters S-38E	20
Hallicrafters S-81	20
Hallicrafters S-85	40
Hallicrafters S-94	15
Hallicrafters SX-62A	150
Knight T-60 transmitter	25
Leeds & Northrup Wheatstone bridge	10
Majestic 7P420, capacitors replaced	35
Majestic 71, console	20
Mantola 3-BD table, wood	35
Philco 37-60 cathedral	60
Philco 38-10 table, wood	28
Philco 39-10 table, wood	40
Philco 39-117 table, wood	55
Philco 46-200 Bakelite	48
Philco 48-482	15
Philco 89 cathedral, restored	200
Philco Model 1201 Bing Crosby radio/phono	30
Puritan, brown Bakelite	40
RCA 8X541 table	10
RCA 68R, Bakelite	20
RCA 85T2	43
RCA 118 tombstone	60
RCA Radiola 17	20
RCA Radiola 18 with stand	160
RCA Radiola 33	20
RCA Radiola 60	75
RCA Radiola 100 drum speaker	25
RCA Radiola 103 tapestry speaker	85
RCA Radiola dealer sign	220
RCA receiving tube manual	6

***A warning**: Auction prices are not current values. Our selection of auction items is not necessarily complete. A listing such as this cannot adequately include the condition of cabinets, chassis, transformers, tubes, the operating status of the set, and the inclusion of incorrect, restored or replica components, etc. Auction prices are the result of the excitement of the auction process, the skill of the auctioneer and the specific interests of the participants. Nevertheless, auction prices serve as useful references and as another element in the value determining process. The possibility of error always exists, and if we are notified, corrections will be reported.*

(Continued on following page)

(HVRA/AWA Auction, continued)

RCA TV, early	100
Records, 78 rpm, (30)	13
Red Skelton records	33
Rider's Vol. 5	20
Rider's Vol. 6	18
Rider's Vol. 10	5
Rider's Vol. 11	15
Steinite console	100
Stewart-Warner Porto Baradio, plastic	40
Tube(s): 6SN7, (25)	10
Victor RE45 radio/phono	50
Victor Victrola console phono	300
Watterson Model 68	60
Watterson table, wooden	38
Westinghouse WR72	35
Zenith 7S633	130
Zenith 8H832	7
Zenith 8S239, 1937	300
Zenith 50TIX	50
Zenith 1000 transistor radio	75
Zenith chairside	350
Zenith console, 1938	600
Zenith Royal 3000-1	160

Jan Johnson's contest entry, a new home brew — the "Alice in Wonderland" cathedral — depicting the characters in their topsy-turvy time warp.

(Bill Wernzer, 11402 Endicott, Houston, TX 77035)

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For more information on the Houston Vintage Radio Association (HVRA), write to David Moore, 3213 Regal Oaks, Pearland, TX 77581. HVRA publishes "The Grid Leak" monthly. Dues are $15 per year. In addition to the annual convention with AWA, the club holds monthly meetings and special regional events.

Morgan Radio Shop Auction

Salisbury, North Carolina — August 23, 1997

CONTRIBUTED BY MIKE MORGAN

The following story of the Morgan Auction is the result of our asking about the outcome of the event when Mike Morgan called too late to advertise it in the August issue of A.R.C. He tells us that if he hadn't already contracted with the auction house, he could have sold the items through A.R.C. "at much greater financial advantage." Unfortunately, as a noncollector, he belatedly learned about A.R.C. Moral of the story: get the word out, you collectors, and save the treasures of old radio shops. (Editor)

The contents of the Morgan Repair Shop were only a portion of the estate auction held August 23, 1997, in Salisbury, North Carolina. The radio repair shop, located in an old filling station beside the family home, operated from the early 1940s to the early1950s. It was never the primary occupation of my father who died in 1985. His interest in radio and electronics was lifelong, and the span of radio-related materials both predated and postdated the operation of the repair shop.

There was little organization to the items for sale, and their condition, except by surface examination, had not been verified. Radios I can remember listening to as a youngster had not been plugged in for more than 35 years. In addition to a sizable number of tubes and parts that were unused in original packaging, there were many boxes of tubes in unknown condition. These sold anywhere from $10 to $60.

There were also boxes of other radio parts, some new, some used, including knobs, speakers, cases, and lots of things I didn't recognize at all. Finally, there was a substantial amount of military surplus electronic equipment, most of it from World War II, and most of it unidentifiable to the uninitiated.

Magazines, catalogs, and books were in abundance. Rider's *Perpetual Trouble Shooter's Manual,* Vols. 3-14, and 16, ca. 1938, sold for $70. Other lots sold in the $5 to $20 range.

Radio collectors will be appalled to know that, in the 1960s, my brother hauled a whole truckload of old radios to the city dump. Consequently, there were not a large number of radios. An RCA Radiola 66 sold for $70. Among others selling at minimal prices were an RCA Model 60-8 Bakelite table radio, a Kent table radio with canvas-coated cover, and a Silver-Marshall Superheterodyne console.

Forty lots of radio-related items sold at the end of the 4½-hour session.

For one who is not "into radios," it was interesting to meet some of the bidders. The gentleman who bought most of the large consoles told me that his hobby is refinishing radio cases and that he knows nothing about repairing the radios themselves. Another collector had his station wagon loaded with purchases; he would have bought more, but he didn't have room for it. This was definitely a buyer's market. We wish you had been there!

(Mike Morgan, 104 S. 16th St., Nashville, TN 37203-1907)

The Colorado Radio Collectors Antique Radio Club Auction

Denver, Colorado — September 14, 1997

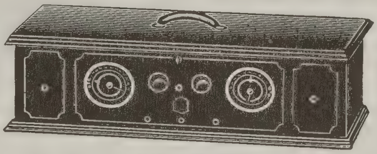
CONTRIBUTED BY LARRY WEIDE

The Colorado Radio Collectors Antique Radio Club (CRC) held its annual auction on September 14, 1997, at the VectraBank Building in Denver, Colorado. As usual, the event was open for buying and selling to both CRC members and the entire community. This year's auction was a great success with 112 lots of radios and related items changing hands for a total of over $4,000. Auctioneer Jim Burleson did a fine job.

An attractive feature of this auction is that there are no registration fees, only a seller's commission on items sold. This year there were no buybacks or leftover items — everyone went away happy.

Collectors can look forward to CRC's annual April show and sale at Denver's largest collector's fair where members sell to a very large audience specifically interested in antiques. For information on how to become a part of this event, contact: Larry Weide at the address below.

Admiral 5X11N	$20
Admiral 6C229	15
Admiral 4220-D5	5
Admiral 5022	35
Airline 52-336	6
Airline 94HA-1562	15
Airline BR15421A	20
Atwater Kent 30 and speaker	90
Atwater Kent 33	30
Atwater Kent 42, Pooley	150
Atwater Kent 70	80
Atwater Kent 427 console	200
Atwater Kent F4 speaker	75
Blabber Mouth novelty transistor radio	13
Burt 'n Ernie novelty transistor radio	20
Cannon novelty transistor radio	23
Capacitance checker and tubes	105
Cheeseburger novelty transistor radio	13
Continental portable	8
Coronado 05RA2	13
Day-Fan battery set	160
Eico grid dip meter	35
Emerson 695, 1952, plastic	20
Fischer Am/FM 8 track	20
French fries novelty transistor radio	25
Gas pump novelty transistor radio	38
GE 400, 1950, plastic	15
GE 535 plastic clock radio	13
GE E91, 1936, table	135
Globe novelty	35
Gloritone cathedral	210
Hallicrafters S-38, black	40
Hallicrafters S-38, grey	15
Hallicrafters S-53	40
Hickock 209A meter	35
Hickock tube tester	15
Knight tube tester	13
Magnavox plastic clock radio	15
Military BC348, AN/FRR22	20
Motorola 5A74	13
Motorola 47D1	80
Motorola 68X12	15
Packard Bell 5R1 plastic, 1957	13
Philco 37-1505	180
Philco 42-842	15
Philco 46-1201	15
Philco 46-131	20
Philco 51-629	7
Philco AM/FM	10
Phonograph novelty	20
Precision power supply	45
RCA 2XF92 and 66X11	30
RCA 6BX6	10
RCA 65U radio/phono	23
RCA Nipper work mat	30
RCA Radiola 16 and speaker	130
RCA Radiola 18	100
RCA Radiola 33, metal	18
RCA Radiola AR-812 Superhet portable	20
RCA tube caddy	45
Realistic 150 SW	55
Realistic PR-01	5
RF military generator URM25	40
Sentinel 338, 1951, plastic	20
Silvertone 101-609-74	35
Skysox novelty	10
Staco 501 variac	45
Stewart-Warner A6	50
Stewart-Warner R-136A	120
Stewart-Warner R-180A	40
Zenith 7S634R	60
Zenith 8GP05YT	30
Zenith 3000	200
Zenith H724Z	20
Zenith H725	20
Zenith R723	28



For information about joining the Colorado Radio Collectors Antique Radio Club, contact: Dick Hagrman, 3429 W. Berry Pl., Littleton, CO 80123, rhagrman@aol.com. CRC holds monthly meetings, as well as auctions, and swap meets, and publishes "The Flash" bimonthly. Dues are $12 annually, prorated to June 1.

(Larry Weide, 5270 E. Nassau Cir., Englewood, CO 80118. E-mail: lweide@ibm.net)

BOOK REVIEW

Zenith Radio — The Early Years: 1919-1935
By Harold N. Cones and John H. Bryant
with Martin Blankinship and William Wade

REVIEWED BY BILL HARRIS

ZENITH RADIO
THE EARLY YEARS
1919-1935
WITH VALUES
Harold N. Cones Ph.D
John H. Bryant FAIA
with Martin Blankinship & William Wade
A Schiffer Book for Collectors

On a kitchen table in a house on Carmen Avenue, Chicago Radio Laboratory (CRL) had its humble beginnings. It later became the Zenith Radio Corporation, and one of the giants of the radio industry. In their earlier book, *The Zenith Trans-Oceanic — The Royalty of Radios*, authors Harold Cones and John Bryant gave us insight into Zenith from the standpoint of the birth and development of the Trans-Oceanic sets. In this latest book, *Zenith Radio — The Early Years: 1919-1935,* they give what may well prove to be the definitive answer on the history of CRL and Zenith from the beginning up to 1935.

This book is the result of exhaustive research through Zenith archives, and the fortunate find of the personal files of Commander Eugene McDonald — the driving force behind Zenith — in an old Zenith television assembly plant. The authors have provided us with photos and information on the Zenith Radio Corporation that might possibly have been lost forever. Some of the material has never been published until now.

As in the first book, the authors' writing style is an easy and enjoyable read. This one too is soft-covered, and, except for the database section, is printed on heavy coated stock. In a note from author Bryant, we learn that, according to the publisher, the paper in the database section is the same weight and quality as the coated stock. However, the uncoated paper reduces glare on the tables and makes it easier to add notes on these pages. I find that this difference doesn't detract from the book at all.

The book is divided into three main sections with three appendices and endnotes. Section I contains six chapters on the history of Zenith radio, while Section II features 30 pages of color photos of Zenith and CRL radios. Section III contains pages devoted to an illustrated catalog and database of CRL and Zenith products. In all, there are 223 pages packed with information.

SECTION I — HISTORY

Chapters 1-4 of this section cover the very beginnings of Chicago Radio Laboratory when Ralph H. G. Mathews and Karl Hassel, two Navy buddies, began building receivers on the kitchen table of the Mathews home on Carmen Avenue in Chicago. The story continues on to the subsequent move to a garage near the Edgewater Beach Hotel, the association with the QRS Music Company, and the eventual move to a 3,000-square foot rented factory at 6433 Ravenswood.

The growth of CRL into the Zenith Radio Corporation, the role Zenith played in helping to define the growing broadcast industry, the formation of Zenith-owned radio station WJAZ — all under the leadership of Commander Eugene F. McDonald — are covered in great detail.

Chapter 5 is an intimate look at the adventurous commander and his many travels, along with his association with the famed explorer Donald B. MacMillan. This is probably one of the most detailed insights into this almost "mystical" leader of the Zenith Corporation ever written.

Chapter 6 deals with surviving the Depression years. Many radio manufacturers folded quickly after the stock market crash on October 24, 1929. On October 23, 1929, Zenith turned out 2,300 radio sets, with wholesalers begging for more. After the crash, orders practically stopped, and production was down to 300 sets a day. But, Zenith had not kept a large inventory of expensive sets on hand. Instead, the company kept a stock of raw materials and could easily and quickly switch to producing lower cost radios. This flexibility was a factor in its ability to survive when so many other manufacturers were going under.

Section I is loaded with photographs, along with numerous old-time ads for Zenith products.

SECTION II — COLOR PHOTOGRAPHS

Section II contains photographs of Zenith and CRL radio sets. There are 31 pages of excellent color photos, from the early CRL sets to the highly prized 1935 Stratosphere Model 1000-Z. The photos are of sets from various private collections. I compliment the authors, who did the photography, on providing this visual record of Zenith radios, some of which are the only known existing models. These photos may well provide the only opportunity for many readers to see what these beautiful sets look like.

SECTION III — CATALOG AND DATABASE

The CRL and Zenith Illustrated catalog is a very good piece of work by the authors. According to author Bryant, over half of the images of the sets have not been published since their introduction in the 1920s and 1930s.

The tables in the database section are a wealth of information. There are separate tables for CRL and Zenith products. The CRL tables list model year, name, type, description, original price, and comments. The Zenith tables list model year, model, name, style, chassis, circuit type, number of tubes, power required, band coverage, original price, and comments.

In a conversation I had with Bryant, I learned that a lot of careful research went into the database concerning the retail model year. Even though he suspects there may be some controversy in this area, he stands by it one hundred percent.

The Index and Rarity/Value Guide is sorted by model number giving the model year, a rarity scale, and value range. Most price guides include value ranges based on a radio's condition. But in this book, the authors state, "The Value Ranges in the Index are not the Value Range of a particular set, varying related to its condition, with a mint set at the upper end of the range. Rather, the value range is a statistical grouping of different models of similar value where the average 1997 price for a particular model would fall, if the radio in question were in Very Good to Excellent condition, with the original finish."

This entire section will serve as an invaluable reference for the Zenith collector, and once again, the authors are to be commended for bringing together this useful information.

APPENDICES AND ENDNOTES

There are two charts in the Appendices: one gives national sales figures and the number of sets sold; the other, gives Zenith sales figures for the years 1921-1935. Another page gives a brief technological history of Zenith products in chronological order. There are over 16 pages of endnotes which should satisfy just about anyone's curiosity as to the source of information.

FINAL COMMENTS

As with their earlier book on the Zenith Trans-Oceanic sets, John Bryant and Harold Cones have done a superb job with this current work on the Zenith Radio Corporation. I am sure that once you pick it up, you will find as I did, it is hard to put down.

The book however, is not without a few drawbacks and errors, and as a reviewer I would be remiss in not listing them. The following were pointed out to me in an e-mail from John Bryant and can be attributed to mistakes mostly made by the publisher and printer.

Small print type: According to the publisher, the print is rather small in order to cut the number of pages and keep the cost of the book down. I have to agree that the small print does make reading a bit harder for those of us who need a little assistance in the sight department.

Page 6: The names of Nate Aram and John McCallister are misspelled.

Page 57: Four photos of WJAZ are shown with the captions completely scrambled.

Page 71: Two photos have the captions reversed, and the photos are printed as mirror images.

Inside back cover: The price should read $29.95 and the page count 223.

Back cover: The fourth word of the last sentence of the first paragraph should read "an" rather than "in."

The research that went into the making of this book had to have been an arduous undertaking, and my review may not do it justice. Some may take issue with certain parts of the book; however, the picture of the past often has missing pieces, and it is sometimes hard to tell just how all the pieces should fit.

Unless you have firsthand knowledge of the past by having been there, or has access to those who have, you have to rely on what you discover by your own research or the research of others. You take that information, which may or may not be completely accurate, and draw your conclusions. Slowly, pieces of the puzzle began to fall into place, and when finished, you either have a complete picture or one with enough pieces to enable you to stand back and say "that must be pretty close to how it was."

This book puts a lot of the pieces together into what has to be the best picture to date of the history of CRL and Zenith. Today, when corporations seem to have very little interest in their past history, our hats are off to Bryant and Cones for their diligent search for the pieces to a very interesting picture of the past. For the collector of old radios, or anyone with an interest in the history of radio, this book is a must as an addition to the library.

Zenith Radio — the Early Years: 1919-1935 is available in an $8^1/_2$" x 11" horizontal, soft cover format at $29.95, plus $2 shipping and handling, from: The Radio Professors, P.O. Box 592, Stillwater, OK, 74076. Checks must be in U.S. funds on a U.S. bank only, and sorry, but no credit cards.

The book may also be ordered from *Antique Radio Classified* and other A.R.C. advertisers. Please check them for shipping information.

© 1997 by Bill Harris

Bill Harris, a member of the Vintage Radio and Phonograph Society, is very active is the club and on the internet, from which we obtained this review.

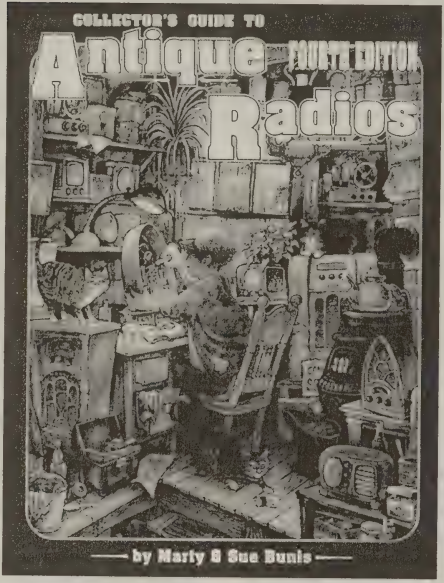
(Bill Harris, 1513 Bellechase Dr., Roanoke, TX 76262)

BOOK REVIEW

The Collector's Guide to Antique Radios, Fourth Edition

by Marty & Sue Bunis

REVIEWED BY DICK DESJARLAIS



Marty and Sue Bunis must have lost sleep over how to improve their popular series, *The Collector's Guide to Antique Radios.* Having used their fourth edition since it hit the shelves earlier this year, I can say to Marty and Sue, "Sleep easily — you've done it again."

This edition, as with the first and third editions, features the attention-getting "Ace Radio Repair" drawing by Bill Bell, this time with a bright purple border. Another Bill Bell illustration "Magic Box" appears on the cover of the second edition.

It is tempting to rush ahead to the pages where so many vintage radios are listed and pictured, but the reader should take the time to review the helpful material on pages 4-6 regarding pricing, basic radio terms and descriptive Information. Missing from this edition is the usual listing of Radio Clubs. It is understandable that subscribers to A.R.C. would consider such a listing to be redundant, since a complete listing of clubs and meet schedules is updated monthly. However, a club directory in Bunis would be helpful to nonsubscribers and new collectors/dealers seeking radio clubs and activities in their localities.

This fourth edition, with 248 pages, features nearly all of the information from the first three books, along with new models, many new photographs and updated pricing. Worth noting is a change in price listings. For the first time Bunis uses a price range for each radio, varying in increments from $5 to $100 and up, depending on the radio's value. For example, the RCA Model R-7A "Superette" tombstone is listed from $100 to $130, the Philco Model 54C mantle radio from $70 to $80, and the Crosley Model VIII portable from $500 to $600.

Baby boomers will appreciate the expanded listings and new photos of the later, more affordable plastic radios of the '50s and '60s. As in the third edition, transistor radios are no longer listed. However, you will find over 2,500 models exclusively listed in the third edition of Bunis' *Collector's Guide to Transistor Radios.*

If a fifth edition of the *Collector's Guide to Antique Radios* is published in the future, some attention should be given to the lack of any photos for several manufacturers listed; for example, Amrad, Belmont, Browning Drake, Farnsworth, Federal, Freshman, Kolster, Mitchell, Remler, Truetone, Tuska and others. Regarding Amrad, Browning Drake, Federal, Freshman and Tuska, a case could be made to have included more photos of battery sets.

Nevertheless, this fourth edition is another excellent effort in the true Bunis tradition. Collectors need not only this volume, but also Ray Bintliff's *The Radio Collector's Foto Finder,* an index to illustrations in all four Bunis editions.

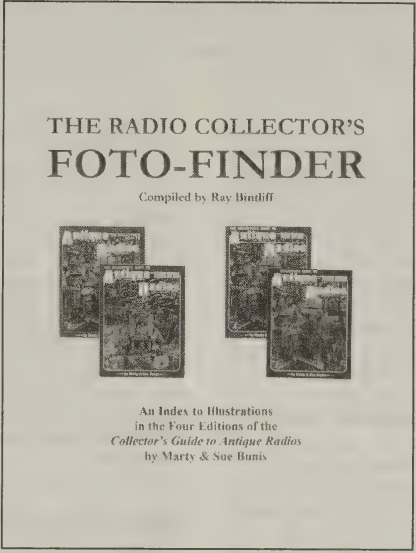
"Collector's Guide to Antique Radios, Fourth Edition," is available in an 8½" x 11" softcover format at $18.95 from the publisher, Collector Books, P.O. Box 3009, Paducah, KY 42002-3009; Marty and Sue Bunis, 32 West Main St., Bradford, NH 03221; and A.R.C. and other A.R.C. advertisers. Be sure to check these suppliers for shipping information.

(Dick Desjarlais, 48 Foster St., Littleton, MA 01460)

The Radio Collector's Foto Finder

By Ray Bintliff

REVIEWED BY DICK DESJARLAIS



THE RADIO COLLECTOR'S

FOTO-FINDER

Compiled by Ray Bintliff

An Index to Illustrations
in the Four Editions of the
Collector's Guide to Antique Radios
by Marty & Sue Bunis

Hot on the heels of the *Collector's Guide to Antique Radios, 4th Edition,* by Marty and Sue Bunis, *The Radio Collector's Foto Finder* by Ray Bintliff is a boon to owners of any or all of the Bunis series. This 48-page paperback contains an easy-to-use index to the more than 2,000 high quality photographs that appear in the Bunis books.

Now that four Bunis editions have become available over the past six years, a serious collector can monitor pricing trends and take advantage of a broad base for identifying a particular radio. But, randomly searching through over 900 pages for a photo to match a given make and model number is a formidable task.

With Ray's one-of-a-kind index and armed with the brand name and model number, the radio sleuth will quickly find the appropriate edition and page number for any radio pictured in the four editions. Arranged in alphabetical order by brand name, the *Foto Finder* lists each model that is illustrated in the Bunis guides, followed by the proper edition and page number. An additional feature is a table of contents which gives the *Foto-Finder* page number for each of the 240 brand names listed.

In the preface, Ray explains the rationale for using brand names. The brand names used in the *Foto Finder* track the brand names used in the Bunis editions, even though in some cases the brand name and the company name are different. Similarly, Ray describes the vagaries regarding model numbers, which can consist of one or more numbers, one or more letters, or a combination of numbers and letters.

The cover of this useful book tells a story in itself, as it portrays each of the four Bunis covers, drawn by Bill Bell. Ray's goal was to provide the radio collector with quick and easy access to any photo published in the Bunis series. In "spot testing" several makes and models through the table of contents and the index, I can report that Ray has met this goal in a simplified, accurate, and well organized format. Any Bunis edition owner will value the *Foto Finder* as an invaluable companion when researching that elusive set in his collection.

The Radio Collector's Foto Finder is available at $12.95 in an 8½" x 11" saddlestitched, soft cover format. It may be ordered from A.R.C. and other A.R.C. advertisers. Be sure to check these sources for ordering information.

(Dick Desjarlais, 48 Foster St., Littleton, MA 01460)

Bill Bell and Ace Radio Repair

BY RAY BINTLIFF

Radio collectors were introduced to the work of artist Bill Bell when his *Ace Radio Repair* appeared on the cover of the 1985 issue of A.R.C. It appeared again on the cover of the June 1989 issue – this time in full color to celebrate the fifth anniversary of A.R.C. This full color treatment inspired Marty and Sue Bunis to use this illustration on the cover of the first edition of *The Collector's Guide to Antique Radios.* Marty and Sue used another Bill Bell creation, *Magic Box,* on the cover of their second edition. As noted in the Bunis books, copies of *Ace Radio Repair* and *Magic Box* are available from Frank Krantz who first saw Bill Bell's work at an art exhibit in a New Jersey shopping mall in 1985. Impressed by Bell's colorful style, Krantz arranged to sell prints of the two radio-related paintings.

Born in Philadelphia, Bill trained as a saxophonist. Although employed as a musician during the big band era and later as a successful executive with a major record company, Bill always wanted to be an artist. To quote from a biographical sketch "Without any formal art education, Bill Bell has developed a very personal primitive/naïve style of painting, creating his own world of vision and fantasy….his paintings include situations alive with people, action, (and) animals that smile."

Cats appear in many of his paintings — another reason that cat lovers Marty and Sue chose his *Ace Radio Repair.* I find his work a delight for the eyes and mind. Bell's statement "I paint for fun" says it all.

For readers with a further interest in Bell's works, his original paintings, plus a large collection of prints, are sold through the Jaro Fine Arts Gallery, 956 Madison Avenue, New York, NY 10021. Interestingly, the original paintings of *Ace Radio Repair* and *Magic Box* are in the personal collection of Jaro Parizek, gallery owner and radio collector. My thanks to Jaro for permitting us to quote from his gallery's brochure.

(Ray Bintliff, 2 Powder Horn Lane, Acton, MA 01720)

RADIO MISCELLANEA

"Radio Miscellanea" includes items of general interest selected from A.R.C.'s incoming correspondence. "In The Marketplace" items are based on information submitted by the businesses themselves. "From The Internet" items are obtained from internet newsgroups and other internet resources. Submitted items should be verified for accuracy; items may be edited by A.R.C. for publication, and publication is not guaranteed. See the masthead for more details.

Ryan Arrives Early!

A.R.C. announces the arrival of Ryan Nelson Friedrichs on October 29, at 10:30 A.M. Much to our surprise, Ryan decided not to wait for his scheduled date of November 17 and left us without Lisa, our office manager, sooner than we had hoped. In fact, we didn't even get to have the much anticipated "retirement to motherhood" luncheon. Ryan now will be able to attend that rescheduled event with his parents who are recovering from the shock of his hasty arrival. As forecast in our November "Staff Profile," Lisa and Eric — and now Ryan — never cease to amaze. (Editor)

Ft. Monmouth Radio Ghosts

Dear Editor:

What a neat magazine you have! I work at the U.S. Army Communications Command (CECOM), Ft. Monmouth, N. J., where the U.S. Army Signal School was located until 1975. A lot of military radios are advertised in A.R.C., and I began to think that a good number of A.R.C. subscribers probably were here at one time or another. I'm sure the ghosts of many old radios haunt the grounds and buildings here at Ft. Monmouth.

The New Jersey Shore also has a great deal of radio/communication history. At Camp Edwards, a satellite area of Ft. Monmouth, there is a small tower and plaque where Marconi tested his wireless. And at the Twin Lights in Highlands, N. J., there is a stone marker where Marconi used the wireless for its first "big time" public demonstration.

Mark Hendrickson, Oceanport, NJ

Marconi's Daughters Die

Dear Editor:

I have talked with Francesco Marconi Paresce and learned of the death of his mother, Degna Marconi Paresce, at age 90. She was the older of two daughters by Marconi's first marriage, and will be remembered for her biography, *My Father, Marconi.* Her sister Gioia Marconi Braga, who spoke about her father at the 1995 AWA Conference banquet, passed away a year ago at age 80.

I visited with Mrs. Paresce when I attended the Marconi Centenary celebration in Chelmsford, England, last summer. While I was there, the *Essex/Chelmsford Chronicle* of July 25, 1997, wrote about my museum in Bedford N. H. and about my early interest in Marconi. Now 81, I remember my father taking me at age five to meet Marconi on his visit to America in 1922. My father had made a career in wireless communications both in Italy and the U. S. — a link that perhaps led to my career with General Electric, and with my lifelong interest in establishing a Marconi Museum.

Ray Minichiello, The Guglielmo Marconi Foundation, U.S.A., Inc., 18 North Amherst Rd., Bedford, NH 03110

More on AC Line Capacitors

Dear Editor:

Referring to *Radio Miscellanea* in the October 1997 A.R.C., AC line capacitors are also available from Digi-Key Corporation, 701 Brooks Ave., South, Thief River Falls, MN 56701-0677. (800) 344-4539. AC line capacitors are made by Panasonic, and are approved by safety agencies around the world, including UL, CSA, VDE, etc., for use up to 250 volts AC. They are available both in disc ceramic form for smaller values, and in square-cased metalized film form for larger values. Both types have conventional wire leads. AC line safety rated capacitors are recommended for this application, as they are more reliable than standard capacitors in this mode of operation.

Donald Borowski, Spokane, WA

Clock Radio Motor Source

Dear Editor:

Robert Wheaton's article "Clock Radio Repair" (A.R.C. October 1997) gave a splendid discussion on rejuvenating Telechron synchronous motors for those workhorses of the '50s and '60s. Most manufacturers used the Telechron motor movement in field coil assembly. I have identified two types — B and S assemblies, and H, B, and S type rotors.

Before I read the article, I went on a search for replacement motors and, to my surprise, came up with a source: TimeSavers, Box 1270, Scottsdale, AZ 85267. (800) 552-1520. E-mail: clocks@timesavers.com. Before you order, you must remove the old synchronous motor and identify the part number and rpm; this number begins with "M" and is followed by four digits.

Paul R. Hyman, Johnstown, PA

On Radiofest'97

Dear Editor:

I enjoyed meeting you in Elgin at Radiofest XVI. The weather was perfect, the programs insightful, and the friendships eternal.

Lois Rasmusson, Joliet, IL

In the Marketplace
A.E.S.'s 1998 Catalog

Antique Electronic Supply, a leading supplier of most new-old-stock and currently manufactured vacuum tubes, has released its 1998 catalog. The catalog has been expanded to 60 pages with lots of new and exciting tubes, parts, supplies, and books. Call (602) 820-5411 or fax (800) 706-6789 for a free copy. You may also visit the company's new web site at WWW .TUBESANDMORE.COM to place orders, browse the catalog, see items not in the catalog, and find answers to frequently asked questions.

CLASSIFIED ADVERTISEMENTS

WANTED: General Electric/RCA ET-3620 rectifier. Ed Bell, 5311 Woodsdale Rd., Raleigh, NC 27606. Fax/Ph: (919) 851-1517

WANTED: Will pay $10. White's Radio Log, same size A.R.C., any issue Jan. 1930 to Dec. 1931 with covers. Also 8G005YT T-O instruction booklet. Marion Chelkowski, 1103 Kayton Ave., San Antonio, TX 78210. (210) 533-1876

WANTED: RCA R-28P rear base assembly, Radiola UZ 1325 horn assembly, GE K-43 chassis. Richard B. Jehlik, 14441 N. River Rd., Omaha, NE 68112. (402) 457-4604, after 7 pm Central

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WANTED: Teletype 32KSR, also Teletype manual 309B Vol. I. Wayne Letourneau, WB0CTE, PO Box 62, Wannaska, MN 56761. (218) 425-7826

WANTED: Panel and dial for AK coupled circuit tuner, part 3752, used on breadboards. Mark S. Cowart, N4FBL, PO Box 550766, Jacksonville, FL 32255-0766. (904) 724-1364

WANTED: Western Electric tube 231D, 264B/C, N.O.S. many. Aritoshi Ogata, 3-1-56 Nagatoishi kurume-shi, Fukuoka-ken 830 Japan. Fax: 81-942-31-9156. E-mail: a-ogata@kurume.ktarn.or.jp

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WANTED: Knobs and speaker for RCA AVR-1 airport receiver. Tim Dugan, 415 N. White Oak, Marshfield, MO 65706. (417) 859-5710

WANTED: Tube hi-fi/commercial/theatre amps, preamps, mixers, compressors, tuners, etc. McIntosh, Altec, Marantz, Western Electric, IPC, Scott, Dynaco, Ampex, Leak, etc. Sonny Goldson, 1413 Magnolia Ln., Midwest City, OK 73110. (405) 737-3312. Fax: 3355

WANTED: Crystal sets and diode radios, collection at (157) pieces. Please help collection grow. Galen Feight, The Crystal Radio Guy, 3104 S.E. 20th, Portland, OR 97202. (503) 231-9708

WANTED: DeWald Catalin pinwheel knobs; copy of His Master's Voice in America, 1991 GE Books; Burns horn bell for parts; other Catalin knobs, paying up to $45. Call and leave number. John Pisarski, 114 Evans Rd., Norristown, PA 19403. (610) 539-0756

WANTED: Eveready #2 speaker. Old flashlights, related items. Flashlight newsletter – $12/yr. Bill Utley, PO Box 4095, Tustin, CA 92781. (714) 730-1252. E-mail: flashlights@worldnet.att.net

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WANTED: RCA vintage microphones wanted: 44-BX, 77-DX, KU-3A. Also RCA "On Air" lights, "recording" lights, mic. Flags, signs & station clocks w/call letters. Top prices paid. Bill Bryant Management, 2601 Hillsboro, Ste. G12, Nashville, TN 37212. (615) 269-6131. Fax: (615) 292-3434

WANTED: Electron tubes, ball bearings, radio & aircraft receivers & transmitters, connectors, lamps, relays, switches, breakers. Hy Ness Company, 709B Delair Rd., Cranbury, NJ 08512-4212. (609) 395-1116. Fax: (609) 395-1117

WANTED: Grebe Synchrophase Model 7 with top shelf. Hallicrafters Models S9, SX9, S11, or SX11. Both should be in excellent condition and play. Bob Allington, Isco, Inc., 4700 Superior St., Lincoln, NE 68504. (402) 464-0231, days. Fax: (402) 464-4543. E-mail: boba@isco.com

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WANTED: Plastic window for 7" Admiral Bakelite tabletop TV Model 17T11. Steve Cavell, 30144 Torry Ave., Flat Rock, MI 48134. (313) 379-3254. E-mail: cavell@wdl.net

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A.R.C. Advertising Policy
Sellers and Buyers, Please Note!

Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and not-original items must be so identified. Advertisers must agree to respond promptly to inquiries and orders, to resolve problems promptly if the buyer is not satisfied, and to comply with a buyer's refund request on unaltered returned items.

WANTED: Dial bezel with or without glass for Sparton Model 766 console (Type 116 chassis), hole in wood is 4.0 inches diameter. Second IF transformer assembly (P/N 03038) for Philco Model 70 cathedral with AVC. Rectangular lid over tuner compartment for AK Model 60, 5 inches by 19 7/8 inches with two holes. A. Eisenstein, 10815 Falstaff Rd., Sebastopol, CA 95472

WANTED: Phonograph related items: best prices for Vogue picture records, Edison, Columbia, and any wax cylinder records, toy phonographs, needle tins and cutters, Nipper, record dusters, puzzles, fans, calendars, pocket advertising mirrors, dealer lapel pins, phonograph toys, posters, broadsides, original dealer advertising items from Edison, Victor, and Columbia. Thanks. Bernie Seinberg, 714 Moredon Rd., Meadowbrook, PA 19046-1907. (215) 886-6124. E-mail: phonoman-bernie@worldnet.att.net

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WANTED: NRI or other radio course kits; unbuilt preferred; must have building manual in either case. Art Sabin, 315 S. Plymouth, Chicago, IL 60604

WANTED: Panasonic RF-9000 large mulitband portable. Daryl Jorud, R#1 Box 180, Battle Lake, MN 56515. (218) 864-5725

WANTED: Mics: Astatic UT48, K-2, T-3, 820, 600. Shure 520, 705, 707, 718, 545S/54, CR88. EV 605, 905. Working or not. Also mic parts & connectors. Tom Ellis, Box 140093, Dallas, TX 75214. (214) 328-3225. Fax: 328-4217. E-mail: 74053.3164@Compuserve.com

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FOR SALE: Zenith Technical Reference Manual. A cross reference for parts, model numbers, chassis numbers, serial numbers, and dates from 1928 to 1942. A must for restorers and collectors. Write or call for free flyer. DH Distributors, PO Box 48623, Wichita, KS 67201. (316) 684-0050, v/f

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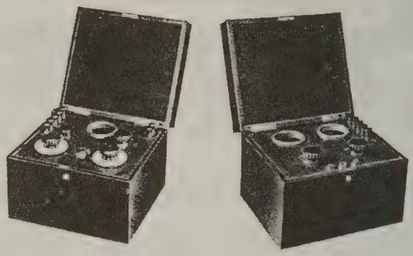

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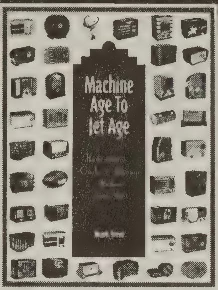

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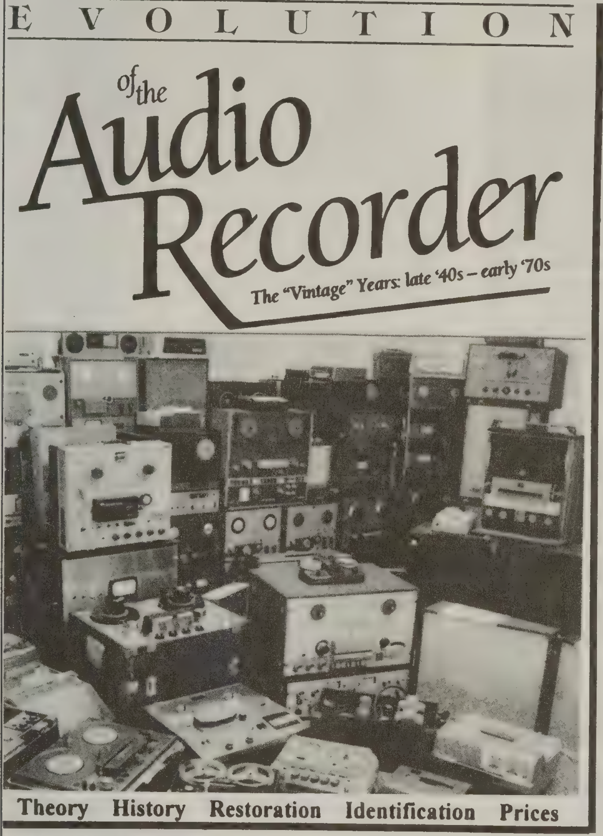

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FOR SALE: Test instruments, amplifiers, military test equipment – SASE list. Robert J. Stone, 721 Fisk St., Piqua, OH 45356-3729

FOR SALE: National SW-5 Thrill Box, very good condition, missing bottom panel, with four coil sets, three in original boxes – $525. National SW-3, very good to excellent condition, frayed power cable, with six coil sets – $525. Buyer pays packing and shipping. William Fox, HC 35, Box 83, Gouldsboro, ME 04607. (207) 963-7412. E-mail: bill.fox@computer.org

FOR SALE: (4) New model car radios, metal 9 volt 1931 license – $110 includes ship. H. Weinborn, 12222 S.E. 41st Ct., Milwaukee, OR 97222. (503) 652-7224

FOR SALE: Excellent repro Philco call letter tabs for 1940-42 sets – $8. **WANTED:** Philco 41-620 and Victor 7-25. Donald Cochrane, 858-I Antoinette Ln., S. San Francisco, CA 94080. (415) 875-1725

FOR SALE: Victor 726 Electrola/Radiola 18 (L.F.T.D., p. 186), mint – $425 OBO. Zenith 10S566 console – $300 OBO. Pick up only. Robert Luedeman, 1315 Randall Pl., Des Moines, IA 50311. (515) 279-8483

FOR SALE: Futura 262 – $35. Metal Midget 440T – $45. Metal Midget 444A – $55. Norman M. Landis, 1315 Marbendale, Kirkwood, MO 63122. (314) 821-7933

FOR SALE: Teletone radio replica of old telephone – $45. Bill Cherensky, 6 Kate Ln., Metuchen, NJ 08840. (732) 549-2165

FOR SALE: RCA Service Notes, Red Book 1933, 1935. Covers fair, pages good – $30 ea. + UPS. Claude Pennington, PO Box 1916, Macon, GA 31202. (912) 746-1231

FOR SALE: One pair of Altec 1570B monoblock tube amplifiers, excellent working and cosmetic condition. Extra 811 power tubes included, asking – $900 for the pair, shipping not included. Also three Altec 1569B monoblock tube amplifiers, all excellent working/cosmetic condition – $450 ea., shipping not included. Mark Wallingford, 1340 Medical Park Dr., Maysville, KY 41056. (606) 564-7452, 8 am to 8 pm EST. E-mail: mwallingford@may-uky.campus.mci.net

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FOR SALE: Sparton blue mirror, 3 knob 557, 4 knob 558, Bluebird, trophy baseball radio, football radios. Alex Kertesz, 3439 W. Brainard Rd., Suite 260, Cleveland, OH 44122. (216) 831-9110. (216) 831-4199

FOR SALE: Jackson Model 710 selenium rectifier tester, good condition, SASE for more information – $39 plus S/H or OBO. Robert A. Decker, 3001 W. Mandalay Ln., Phoenix, AZ 85023-4870

FOR SALE: Sony TR63 color copy owners booklet plus extra insert sheets – $7.50 + LSASE. David Habermehl, 516 W. Randle St., Lebanon, IL 62254-1243

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WANTED: Motorola Catalins #'s 50XC, 51X15, and 52, as complete or "parts" sets. I am a very serious collector seriously looking for serious stuff (leaving all kidding aside, of course)! Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

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WANTED: Bakelite Deco radios, Aircastle 262, Motorola 41A, GE-54, etc. RCA 45X12 (white). Old microphones, radio speaker horns. Steve Puryea, 1310 Osprey Ave., Orlando, FL 32803. (407) 894-7743

WANTED: Cover plate that hides station selector screws on Zenith black dial radios with automatic push buttons. Byron Bernor, 33855 McEnnery Cyn, Acton, CA 93510. (805) 269-5459

WANTED: Japanese-made subminiature tube portable radios like Koyo, Excel; Sony TR 610 and other Japanese-made early transistor radios. Takashi Doi, 1-21-4, Minamidai, Seyaku, Yokohama, 246 Japan. Fax: 011-8145-301-8069. E-mail: taka-doi@kk.iij4u.or.jp

WANTED: Original Trans-Oceanic AC adapter for 3000-1 & Edison Light-O-Matic radio. Keith Wissman, 417 Hendrie Blvd., Royal Oak, MI 48067. (248) 426-5749. E-mail: KWissman@aol.com

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WANTED: Hi-fi/theatre/commercial horn speakers, corner cabinets, Coax/Triax, Altec, Western Electric, Electro-Voice, JBL, Lansing, Tannoy, Goodmans, Jensen, RCA (LC-1A), drivers, horns, woofers, crossovers, parts, etc. Sonny Goldson, 1413 Magnolia Ln., Midwest City, OK 73110. (405) 737-3312. Fax: 3355

WANTED: Restorable chassis for DeWald A-500 (Baby Boom, p.115). Ray Renart, 18 White Birch Ln., Cortlandt Manor, NY 10566. (914) 734-4344

WANTED: Grunow chassis 12B, 12W or chassis 11-H. Joseph Harter, Box 274, Bloomfield, NY 14469. (716) 657-5396

WANTED: Detrola console radios, with and without phonograph. Detrola wood table radios. Scott Flaugher, 41100 Plymouth Rd., Plymouth, MI 48170. (313) 451-4221. E-mail: scottflaugher@unn.unisys.com

WANTED: Crosley 989 colored dial chassis, Truetone D-911 tabletop radio, Fada 1000 chassis, radio lightning arrestors. Bob Eslinger, 20 Garyschool, Pomfret, CT 06259. (860) 928-2628

WANTED: WWII, German infantry field radio. Larry Klein, PO Box 45163, Madison, WI 53744. (608) 274-0600

WANTED: Eico HF60 and HF50 power amps, power supplies for Mac D8 preamp. Mitch Colby, 2730 Schurz Ave., Bronx, NY 10465. (718) 829-3063

WANTED: Swing-out wooden doors for Philco 90 console. Fair condition OK if restorable. Doug Fox, 603 S. 12th Ave., St. Charles, IL 60174. (630) 584-5915

WANTED: Glass dial and escutcheon for GE Model J-1106 or 1108. Glass dial for Wilcox-Gay Model 7J7 or 7K7. Glass dial for Air Chief Model S-7406-7. Leon Gann, 1134 E. 50 Pl. N, Tulsa, OK 74126. (918) 425-3590

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FOR SALE/TRADE: RCA coin radio, vg playing condition (seen in Nov. A.R.C., p. 11) – $125 plus UPS. Paul Fulton, 711 Jacquelyn Rd., Westwood, NJ 07675. (201) 664-5260

FOR SALE: 80 pages – $2. First class, books, catalogs, manuals, radios, televisions, amateur, scientific, photography, military. Francis H. Yonker, P.E., W2IBH, 1229 Inverary Pl., State College, PA 16801. (814) 867-1400

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FOR SALE: All Zenith sale #3 Trans-Oceanics: (2) 8G005 – $125; $195. (2) G500 – $150; $195. H500 – $100; B600 – $175; Y600 – $100; 1000 rare leather – $195; (2) 3000-1 – $135; $275. Transistors: 500 black – $75; 500 white – $125; 275 – $45; 285 – $35; 130 – $30; 6D2620 wood – $125. Ted Demski, 5806 225 Pl. SW, Mountlake Terrace, WA 98043. Phone/fax: (425) 778-7100

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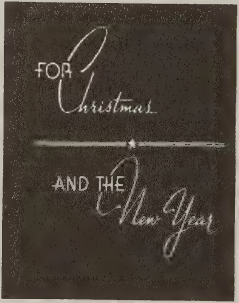

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FOR SALE: (3) communication receivers – SASE list. Robert J. Stone, 721 Fisk St., Piqua, OH 45356-3729

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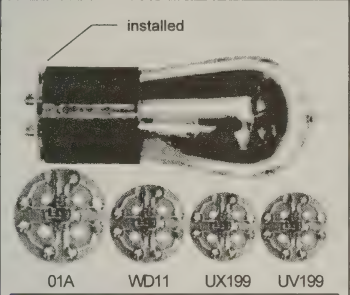

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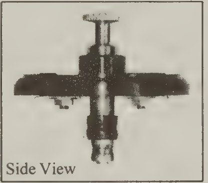
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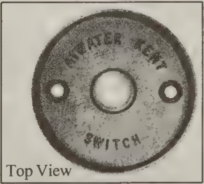

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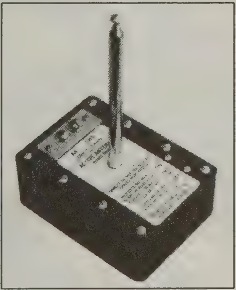

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FOR SALE: Zenith T505 with gold grille, Wavemagnet – $40. Patrick Franzis, 235 Millville Ave., Naugatuck, CT 06770-3848. (203) 723-8976. E-mail: n1ocj@qsl.net

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WANTED: Crosley radios from '50s like D25, E10BE, E15TN, 11-104 and so on. Radio should be original, excellent condition and working. Takashi Doi, 1-21-4, Minamidai, Seyaku, Yokohama, 246 Japan. Fax. 011-8145-301-8069. E-mail: taka-doi@kk.iij4u.or.jp

WANTED: Zenith 10-S-130 or 8-S-126 tombstone cabinet with escutcheon. Philco 45 Art Deco table model. Jerry H. Reed, 4438 S. Santa Fe Pl., Tulsa, OK 74107

WANTED: Dial scale #27-5204 for Philco Model 37-89. Will pay your price if in good condition. Thanks. George Greenberg, KD4OBV, 1701 Andros Isle K2, Coconut Creek, FL 33066. (954) 971-9053

WANTED: Collins 51-J4, 51S-1, General Electric X-371, Hallicrafters CR-3000 state condition and price. Herman Schnur, 3205 Brick Kiln Rd., Greenville, NC 27858. (919) 752-2264

WANTED: Westinghouse Little Jewel parts radios or near parts sets, also need parts for any transistorized Trans-Oceanic sets. Jim Montague, 1907 S. Stanley Ln., Spokane, WA 99212. (505) 535-9576

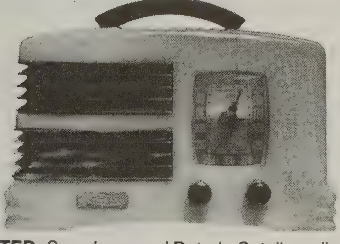
WANTED: Sony CRF 320 non-working shortwave receiver for parts. Must have front cover. Mervan Silverman, 841 Gramercy Dr., Los Angeles, CA 90005. (213) 384-9913

WANTED: AF transformer for AK Model 20-7570, part #7661. Curtis Pratt, 48 E. Knight Ave., Collingswood, NJ 08108. (609) 858-8391. E-mail: cpratt@greeley-hansen.com

WANTED: Original walnut wood cabinet for the National AGS receiver, or a good reproduction. Pat Stewart, W7GVC, 1404 Ruth Ave., Walla Walla, WA 99362-3558. (509) 525-1699

WANTED: For Simplex Mod R, etc., dial bezel, 2-point mount; for EICO 625 tube tester copies of tube chart supplement pages; 7" speakers Quam, Jensen, etc. William Huneycutt, 2125 Rancho Rd., Hartsville, SC 29550. (803) 332-5928

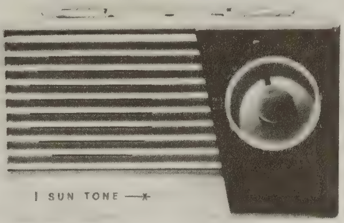
WANTED: Replacement cones, voice coils, spiders and other speaker parts. Also junk speakers. Hank Brazeal, 39 Lakepoint Ct., Crossville, TN 38555. (931) 456-2529



WANTED: Symphony and Detrola Catalin radios. I am not a human being: I am a radio collector. God forbid! Pity me the lost soul that I am and fulfill my humble needs. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

WANTED: Bogen PA amplifier MO200A, working or not, and manual for HP 331A distortion analyzer. Chip Schmidt, 2024 Hilton Dr., Cedar Falls, IA 50613. (319) 277-8504, evenings, weekends. Fax: (319) 277-0993. E-mail: cschmidt@cfu-cybernet.net

WANTED: Lid for Crosley Bandbox 601. Rich Hrapcak, 1121 Sioux Dr., Crown Point, IN 46307. (219) 663-9386



WANTED: Tiny tubes plastic coat pocket size radios. Mint or damaged beauties. Also pocket toy crystal radios. I'll buy or trade my early Regency, Sony, Toshiba transistors and rare toy crystal sets. Needed: Tuning dial for Wales B-46, black Hoffman Trans-Solar battery cover. Mike Brooks, 7335 Skyline, Oakland, CA 94611. (510) 339-1751, evenings

WANTED: Eico 615 adapter for Eico 667 tube tester. Also monitor for TI99/4A computer. Rich Yoch, 22410 Bartlett Dr., Rocky River, OH 44116. (440) 331-9206

WANTED: Motorola TV 19" circa 1961, Model 19P1-1, see Sams 520, looks like suitcase, works on battery. Bob Gidney, 411 W. Spruce St., West, TX 76691. (254) 826-5105

WANTED: Paying $$$ for Art Deco style sets 1930-1940s, especially with chrome or metal grilles, trim. Adam Schoolsky, 15149 S.W. Cabernet Dr., Tigard, OR 97224. (503) 579-1080. E-mail: Adam@ArtDeco.com or http://ArtDeco.com

WANTED: Rotating disk static electricity machines, Wimshurst or Holtz machine, Crooke's or Geissler tubes. Louis Scribner, 510 Linden Rd., Pinehurst, NC 28374. (910) 295-8050. E-mail: louie@pinehurst.net

WANTED: Antique medical and scientific devices. Especially very early, ornate, or unusual. Richard Cane, 1333 N.W. 127th Dr., Sunrise, FL 33323. (954) 846-7116

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WANTED: Crystal detector for a DeForest Model DT-600 Everyman. George Jones, 1943 Palm Dr., Fernandina Beach, FL 32034. (904) 261-6533

WANTED: Philco 71 chassis, any condition, need osc. coil. Gordon Wilson, 11108-50 Ave., Edmonton, Alberta, Canada T6H 0H9. (403) 434-6257

WANTED: Chassis and knobs for Garod 5-A2, need not work. A.J. Long, 11830 Heath Rd., Chesterland, OH 44026-1612. (440) 729-8451

WANTED: Six pushbuttons for Philco 46-480. Bezel for Philco 42-390 or similar. Chris Williams, 6985 Dunnview Ct., Mississauga, Ontario, Canada L5N 7E4. (905) 785-0322

WANTED: Junker Grebe CR-9. Need tuning condenser, dial and grid condenser. Cabinet unimportant. Will trade or pay cash. Tod Prowell, W3URG, 413 N. York Rd., Mechanicsburg, PA 17055. (717) 697-5227

FOR SALE: I have dial covers for over two hundred different radios – $15 ea. ppd. Doyle Roberts, HC63, Box 236-1, Clinton, AR 72031. (501) 745-6690. E-mail: drob@artelco.com

FOR SALE: N.O.S. tubes. Send $1 for list. Richard C. Yingling, 2 S. Locke Ave., Yeagertown, PA 17099

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FOR SALE: Stromberg-Carlson sound amplifier #AU29-75-W, Merit & Meissner, Thordarson coils, Sams Photofacts. Ann Bichanich (Jay's), 15 1/2 W. Lake St., Chisholm, MN 55719

FOR SALE: Jackson-Bell 62 Peacock – $485. Crosley Fiver – $195. Stromberg-Carlson 69 SW conv. – $140. Crosley 5529B, (M.A.J.A. Vol. 1, p. 54, bottom left) – $65. Little Wonder mike – $10. Airline 83BR-702A-B, plays, tuning eye – $45. All plus shipping. Willard Smith, 1802 13th St., Bedford, IN 47421. (812) 275-5760

FOR SALE: Wurlitzer jukeboxes. 1952 2600 100-play tube type; 1961 2710 200-play w/stepping unit; 1967 3100 200-play. Please fax or call with offer. Jim Phillips, 414 Washington Ave., Defiance, OH 43512. (419) 782-8591. Fax: (419) 782-3299

FOR SALE: AK 20 Big Box WT – $100; 30 WT – $100; 49 WT – $100. Belmont 6D111 – $100. Burns driver unit – $100. Grebe CR8 – $650. RORK – $750. Magnavox horn speaker R3-B – $140; R3-D – $165. Plus shipping. Ross Mason, 715 S. Pennsylvania Ave., Mason City, IA 50401. (515) 423-4687

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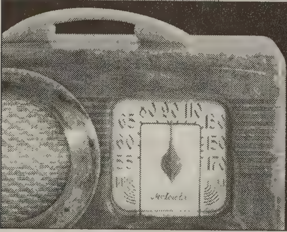

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FOR SALE: Atwater Kent, 2-stage AF amplifier, Type TA, in good original condition w/two Cunningham 301's, one dud, complete w/all thumbnuts, screws and post hardware – taking offers from serious buyers. Up to 6 different photos available – 50¢ each w/SASE. Also cute little 1949 Emerson 587, (Stein's Vol. 1), working, complete w/back, some hairlines, but presents well – $40 BO by 1/15. Igor Golioto, 17 Addison Dr., Fairfield, NJ 07004. (973) 386-4284. E-mail: igolioto@atsmail.gc.lucent.com

FOR SALE: Hundreds of WWII military communications items, large catalog, 52 pages – $3 U.S., $5 foreign. Sam Hevener, W8KBF, The Signal Corps, 3583 Everett Rd., Richfield, OH 44286-9723. (330) 659-3244

FOR SALE: Empire Model 5, 5-tube receiver, RCA 9-BT-9J pocket, Regency CR 240 C,B, N.I.B. – Offers. Dave Schmidtke, W0BEI, Box 462, Faribault, MN 55021. (800) 500-8055

FOR SALE: Cabana Model 225P, AM portable, manufactured by Lang Radio Enterprises, Inc., chassis is stamped Jan. 3, 1957, maroon and ivory plastic case, no cracks, in very good condition, replaced filter cap and 1R5 tube socket, tested on AC & battery, requires 4.5 volt "A" and 90 volt "B" batteries – $200 plus shipping. Contact: Bob Moore, 210 Furman Pl., Lyndhurst, NJ 07071. (201) 842-1627, evenings or leave message

FOR SALE: Grundig tabletop AM/FM/SW, sounds great, needs dial cord – $100 + shipping. George Wright, 4181 Enders Way, Doylestown, PA 18901. (215) 997-4144

FOR SALE: Tubes, new. 6-J6, 12C8, 12A6, 6AC7W – $1.50 ea. 6T7, 32L7 – $2 ea. 5T4 – $2.50 ea. Six or more postpaid. Mix or match. Hal Keller, 404 Lk. Josephine Shrs. Rd., Sebring, FL 33872. (941) 655-0609

FOR SALE: Rider's Vols. I and II, very good National Union binders – $125. Dale Parsons, 5312 Koontz Dr., Cross Lanes, WV 25313. (304) 776-2180. E-mail: dale@earth1.net

FOR SALE: 1934 Silvertone console, works, needs some detailing – $100 plus shipping and handling. Tom Powers, 20 Sherwood Rd., Natick, MA 01760-3309. (508) 655-1790

FOR SALE: Tuska Model 228, rough but restorable, audios good – $125. David Grimes Type V – $200. Bill Skaggs, 36 Stanton Hall Dr., Destrahan, LA 70047. (504) 764-9732

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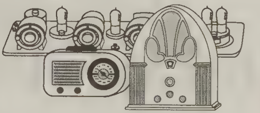

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FOR SALE: Books. Radio Master, 1959 – $20. Electricity in Everyday Life by Edwin Houston – $25. Hammarlund shortwave manual, 1929 – $5. Elements of Electricity, Third Edition – $15. Radio Shack Data of Electronics, 1974-1975 – $15. Reference Data Radio Engineers, 4th – $15. Radios RCA tombstone Mod 118, very good original finish, has SW – $175. Philco 37-84 cathedral, original – $175. Westinghouse H188 (Bunis 2, p. 193) – $90. Atwater Kent 33 – $65. Homebrew 1-tube, plays – $90. (1) #50 ST tube, used, tests good – $125. **WANTED:** Philco 70 junk chassis or power trans. #5117. Tony Rinaldo, 308 Lenox Ave., Oneida, NY 13421. Ph/fax: (315) 363-3644

FOR SALE: Samples: Jukebox Collector magazine, Game Room magazine, Pin Game Journal, Slot/Jukebox Gazette, Club Soda (soda/pop machines and memorabilia), Loose Change (slot machines and gambling) – $5 ea., all 6 for $10. Rick Botts, Box 624-ARC, Altoona, IA 50009. (515) 265-8324

FOR SALE: Sony turntable #2251 w/cart. – $50 plus UPS. **WANTED:** Philco 37-166-122 owners manual (or copy) and very good cabinet. Dick Friedman, 1502 Elmwood, Wilmette, IL 60091. (847) 803-3050

FOR SALE: 55¢ LSASE for list of new/used receiving/transmitting tubes. Sell or trade for old or unusual tubes or related material for my collection. John H. Walker, Jr., 16112 W. 125th St., Olathe, KS 66062. (913) 782-6455. E-mail: johnh.walker@alliedsignal.com

FOR SALE/TRADE: QST magazines dated 1925 til 1935 – $10 ea. Radio News 1920's thru 1930's – $10 ea. Radio Stars 1920 – $10 ea. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: EICO ST 40 amp, EICO ST 97 FM – $75 + S&H. More stuff LSASE. Robert Rossi, 10936 Melbourne St., Allen Park, MI 48101. (313) 386-8321

FOR SALE/TRADE: Two National FB-7 receivers – $350 and $425. National 1-10 receiver – $200; HRO-50 – $425; National NCX500 w/power supply – $375; SW-3 – $275. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: Columbia Eagle graphophone, key-wind unit, with horn and 6 cylinders, exc – $395 plus s/h. John P. Andolina, Jr., 28 Glen Oaks Dr., Rochester, NY 14624

FOR SALE: Receivers: National NC46 – $99; NC57 – $65; RS-DX150 – $59 + shpg. Henry T. Mohr, 1005 W. Wyoming St., Allentown, PA 18103

FOR SALE: Atwater Kent original service manual and parts list dated Aug. 1928 – $25. James Wright, 4307 Hwy. 166 N, Maynard, AR 72444. (870) 647-2913. (870) 647-2913

FOR SALE: Freed-Eisemann, NR-5 rcvr – $300 + shipping. Many other tubes, parts 30's to 80's. SASE for list. Oscar R. Haynes, 103 Glasgow, Pasadena, TX 77506-1007. (713) 477-3944

FOR SALE: RME 45, nice with speaker – $200. Collins R388 – $200; McIntosh MR80, perfect – $1,600. All plus shipping. Jim Young, AA8XC, 14714 Cowley Rd., Columbia Station, OH 44028. (440) 926-1231

FOR SALE: CB radios: Webster bandspanner 412 with 12v power supply, mike, etc. – $25; Lafayette HE20C, mike, etc. – $30; Realistic TRC55, with all accessories, a nice rig – $35. All plus shipping. John Martin, 111 Bancroft, Rochester, NY 14616. (716) 663-4182

FOR SALE: Emerson 744B, 2-tone green – $500. Addison AZ (Sideli, Fig. 2) – $500. Stewart-Warner 07-5B Senior Varsity – $375. Peter Burnstad, 14508 Magdalen Cres., White Rock, British Columbia, Canada V4B 2X7. (604) 531-6882

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WANTED: Old RCA News and Western Electric Oscillator magazines from 1942 til 1950's, a.k.a. "pick-up" magazines, published from Nov. 1953 to May 1942. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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WANTED: 1. Belmont 550, volume and tuning dial plates. 2. Airline 62-650, push button plate. 3. Philco 48-1282, speaker and phono turntable. Craig Knowlton, 13225 56th St. E, Edgewood, WA 98372. (253) 863-1053. E-mail: craigfk@juno.com

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WANTED: Emerson 999 Champion transistor parts set or junker; 1959 or 1960 Allied Radio catalog. Preston Meeks, 13839 Aspen Cove Dr., Houston, TX 77077. (281) 531-0227

WANTED: Case for Philco Model 20. Ray L. Mayeux, 520 Gladstone Blvd., Shreveport, LA 71104. (318) 868-1202

WANTED: Antique and novelty tube and transistor radios. We buy complete collections or quality individual pieces. Also tubes, parts, literature, magazines and advertising. Call or send list. Radio Daze, John & Kathy Slusser, PO Box 144, Mendon, NY 14506. (716) 624-9755. Fax: (716) 624-7857. E-mail: info@radiodaze.com

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WANTED: Ballast tube 100-70 115 (assume) Zenith 6D-311. L.H. Baumlin, 129 Azalea Dr., Harwich, MA 02645. (508) 430-0197

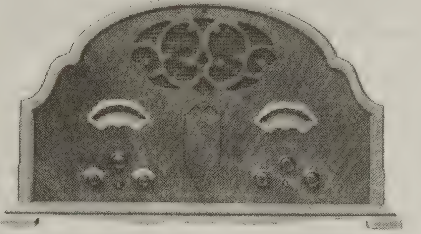
WANTED: Junker or better chassis, Sears Model #4688, 4788, 4799 chassis #100.159, any one of these models. Ray Sanders, 342 S. Third St., Cottage Grove, OR 97424. (541) 942-0866

WANTED: 14" gooseneck bell for Magnavox horn speaker, must be nice. Ed Bell, 5311 Woodsdale Rd., Raleigh, NC 27606. Fax/phone: (919) 851-1517

WANTED: Emerson Catalin radios. Nobody pays more than I. What an arrogant and inaccurate thing to say. I mean, like there isn't anyone wealthy enough, dumb enough, desperate enough – or any combination of the three – to pay even a dollar more than I would pay. I mean, c'mon, who am I trying to kid! Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

WANTED: Prescaler-IC U664B, German transistor radios, red TR-63, TR-610, Global GR-900. Rudi Herzog, PO Box 140 108, 30959 Hemmingen, Germany. 011-49-5045-7464. Fax: 011-49-5101-5100

WANTED: One or more RCA UX216B rectifier tubes. Will trade or pay cash. Tod Prowell, W3URG, 413 N. York Rd., Mechanicsburg, PA 17055. (717) 697-5227



WANTED: The above Pilot radio, will pay up to $1,500 or trade. Call: Bill Moore, 3049 Box Canyon Rd., Huntsville, AL 35803. (205) 880-1207

WANTED: Ham transceivers in excellent condition with manual; communications receivers that need work. Have tubes for sale or trade. John Hoyler, PO Box 504, Bacliff, TX 77518. (281) 339-5070. E-mail: jhvtubes@aol.com

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WANTED: The Sony logo for front of Sony ICR-120. Jerry Emily, 1053 W. Outer 21 Rd., Arnold, MO 63010-4666. (314) 296-7179

WANTED: Philco PT-84 or 41-81, Detra 219 Super Pee Wee. Ichiro Yamada, 10-21 Chiyodadai-cho Kawachi Nagano-shi, Osaka, Japan 586. Phone/fax: 011-81-721-52-4695, mid./eve., local. E-mail: yamadnr1@osk.3webne.jp

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WANTED: Radio Shack TRC-29, TRC-40, TRC-101, Patrolman 9, Pro-8, Pro-16, Astronaut 5, Astronaut 8; Radio Shack catalogs, 1973, 1974, 1978, 1985, 1986, 1987. Larry Stowers, 522 Center Way, Lake Jackson, TX 77566. (409) 299-1897

WANTED: Wood radios with metal grilles or trim. Jay Malkin, 1250 Galapago, #206, Denver, CO 80204. (303) 623-6451

WANTED: Halson/Jefferson tombstone (Stein II, p. 156) in any condition. Johnny Johnson, 7075 W. 32nd Ave., Wheat Ridge, CO 80033. (303) 274-5474

WANTED: Federal candlestick microphone 261-W. Ed Bell, 5311 Woodsdale Rd., Raleigh, NC 27606. Fax/phone: (919) 851-1517

WANTED: Manual for Knight-kit Star Roamer. Larry Cook, 362 E. South St., Richland Center, WI 53581-2721. (608) 647-4678

WANTED: Radio Doings, Western Music & Radio Trade Journal, Radio Retailing magazines, 1930-1934. Floyd A. Paul, 1545 Raymond Ave., Glendale, CA 91201. (818) 242-8961

WANTED: Tuska 225 transformers, AK-80 cabinet, AK-JB speaker, Philco 70 grandfather clock parts. Bob Nicholson, 3423 S.E. Long, Topeka, KS 66605-2486

WANTED: Globe King 500C transmitter, good condition. George Shute, W4BDG, 2910 Virginia St. NE, Albuquerque, NM 87110. (505) 298-7347

WANTED: Manual, schematic for any information for a Uher 4200 report stereo tape recorder. A.J. Bernhard, PO Box 690098, Orlando, FL 32869-0098. (407) 351-5536

FOR SALE: Tube testers: Military Model I-177-B, with matching adapter kit MX-949A/U – $135. Heathkit mutual conductance Model TT-1 – $75. Older Superior Model 450 in beautiful restored wood cabinet – $45; Superior Model 600 in beautiful restored wood cabinet – $60. All testers in good working conditon. Plus S&H. Jeff Hoskins, 824 E. Madison Ave., Stuart, FL 34996. (561) 283-2291, after 7 pm

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FOR SALE: RCA Senior Voltohmst unbuilt kit – $100. Heath TC2 tube tester – $25. IT-3117 tube tester – $20. 0-10 oscilloscope – $30. AG-1 audio osc. – $25. OL-1 scope – $30. Eico 944 yoke tester – $10. 145 multi signal tracer – $20. #221 VTVM – $20. Jackson 655 audio osc. – $20. Bell & Howell digital multimeter – $30. #34 scope – $25. Knight audio generator – $20. Herald SWR meter – $15. Superior Model 710 VTVM – $50. B&K 700 tube tester – $55. Lanagan & Hoke 112C cap/resistor tester – $25. Seco SL-10 signal tracer – $30. General transformer battery eliminator Model P – $25. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE/TRADE: Panasonic CT-101, silver, 1.5" CRT, color TV, N.I.B., all of the accessories and papers – $300 plus shipping. Casio TV-6500, black, 2.7" LCD, color TV, PAL (B/G/H) system, excellent with the box – $80 plus shipping. Prefer trade for Japanese tube portable. Noriyoshi Tezuka, 1-11-2-403 Hiroo, Shibuyaku, Tokyo 150, Japan. Fax: ++813-3440-8396. E-mail: n-tezuka@in.aix.or.jp

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FOR SALE: 29-page literature and 15-page radio lists. **WANTED:** Knob for yellow DeWald Model 562. Dave Sutherland, PO Box 201, Spofford, NH 03462. (603) 363-4459. E-mail: echocove@cheshire.net

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FOR SALE: WD-11 sub units. **WANTED:** RCA export Model 5T4 table set. Reward. Details, SASE. David P. Smith, Box 81, Olney, IL 62450. (618) 392-6601. E-mail: k9uim-a@juno.com

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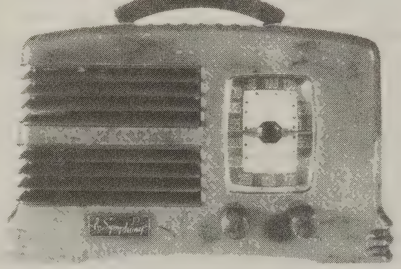

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FOR SALE: Thorens Excelda gramophone – $400. Allied catalogs, 1954, 1955 – $12 ea. Tom Murray, 3177 Latta Rd., #409, Rochester, NY 14612. Ph/fax: (716) 723-1672. E-mail: tomvidtek@aol.com

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FOR SALE: Fada 5F50 butterscotch Catalin – $900. RCA 96X3 brown and tan, Dos Vassos Bakelite set – $425. Stewart-Warner 07-512 white w/red knobs – $165. Majestic 5LA7 white – $125. GE F40 Bakelite w/ Plaskon ring and knobs – $140. Garod 5A2 white w/red grille – $90. Fada 119 Bakelite – $75. Zenith K412R Crest maroon w/fold up handle – $160. Please contact: Jon Steinhauser, 1205 E. Broadway, F-15, Hewlett, NY 11557. (516) 295-3147

FOR SALE: NBC chimes, good cond. – $600. Pandora crystal set – $150. Martian Big 4 crystal set, repaired leg – $495. Crosley Pup w/tube – $425. RCA Redbooks, 14 vols., 1929-1951, missing 41-42 – $395. Shop hrs. 12-6 Mon.-Fri., 10-6 Sat. & Sun. Waves accepts Master, Visa and American Express for payment. For more info contact: Waves, 110 W. 25th St., 10th Flr., New York, NY 10001. (212) 989-9284. Fax: (201) 461-7121. E-mail: c1wave@aol.com

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FOR SALE: Hudinco mono FM tuner Model 299, condition fair – $20. Andrew Mitz, WA3LTJ, 4207 Ambler Dr., Kensington, MD 20895. (301) 897-5531. E-mail: arm@helix.nih.gov

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FOR SALE: Communications receivers. Just in time for the DX season, and Christmas. Grundig Traveller II, Grundig Satellit 700 N.I.B., National HRO-500, Pomtrex 120, Realistic DX-392, Realistic DX-440, Uniden CR-2021. Irv Sanders, 242 Hunter Ln., Harrisburg, PA 17112. (717) 469-2185

FOR SALE: Literature: 1927 Kolster Radio catalog – $15; April 1923 Radio Broadcast magazine – $20; 1924 Tom Turner's Adventures with the Radio – $20. Plus postage. Al Anderson, 510 Park Ave., Mechanicville, NY 12118. (518) 664-6846. E-mail: artarch@ix.netcom.com

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FOR SALE: We have been selling tubes and related components since 1923. December specials: (new) 4-250A – $180; 12BY7A – $8; Valvo 18046 – $20; 5755 (Raytheon) – $5; 5654, 6Y6GT, 12AU6 – $2 ea. Used tube specials: 4-400A – $150; 6900 – $30; 6094 – $20; 5U4GB – $5. No catalog at this time. We stock over 3,000 different types. Leeds Electronics, 68 N. 7th St., Brooklyn, NY 11211. (718) 963-1764. Fax: (718) 963-1963

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FOR SALE: Aeriola Jr., vvg, tested and works – $425. Radiola III, vg, tested and working, NT – $135. Radiola balanced amplifier, vvg, tested and working, NT – $215. Radiola IIIA, vg, tested and works very well, NT – $165. Aeriola Sr., vg, tested and works well, original paper, NT – $175. Music Master horn, Model VIII, vg, works well – $195. Early hearing aid, in case, carbon mic and headphone, Gem Earphone Co. – $30. Utah horn speaker driver, N.I.B. with receipt, works well – $45. Kellogg interstage transformer Type 501 and 503, vg – $12 ea. Rauland transformer Type R-31, vg – $12. Apollo interstage transformer, 5:1, vg – $12. Radiola 26, vg, works well, no tube cover, NT – $375; tube CX-322, N.I.B. – $8. Tube SX-222, as new – $7. Reeve telegraph key on brass plate, vg – $35. Western Union Telegraph Co. key, vg – $45. Hoyt, volt/amp meter, old and nice, works – $30. Plus postage. Richard A. Botzum, RD2, Box 419, Morgantown, PA 19543. (610) 286-0047 or fax: (610) 286-5315

FOR SALE: Actually free, 1964 Zenith B&W console TV, great shape, pickup only. Gary Stork, 37530 E. Meadowhill, Northville, MI 48167. (248) 478-0990

FOR SALE: Guild Spice Chest – $100. Olympic slant-front dial Bakelite – $75. Hitachi TH-666, ivory, hairline – $75. Omscolite 6-tr., hairline – $60. Zenith Royal 500, tan – $300. Vernon Shatwell, 13721 West 86 St., Sapulpa, OK 74066. (918) 224-4551

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6P5G	8.00	112A(globe)	7.00
27	3.00	226(globe)	4.00
47	6.00	227(globe)	3.00
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FOR SALE: Emerson BA-199 cabinet, good cond. – $12. Stewart-Warner 345 cabinet, front panel, (1) knob – $15. Silvertone 109352 portable chassis, untested – $5. GE T-12 cathedral cabinet – $30. **WANTED:** Rider's 1-5 abridged, Philco 45 compact cabinet. Brad Winder, Box 160, Hay Lakes, Alberta, Canada T0B 1W0. (403) 878-3262. E-mail: gmwinder@telusplanet.net

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FOR SALE: Zenith G-500 Trans-Oceanic, good condition, works, with original box and manual! – $275 plus shipping. Craig Knowlton, 13225 56th St. E, Edgewood, WA 98372. (253) 863-1053. E-mail: craigfk@juno.com

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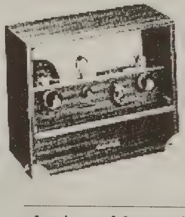
FOR SALE: Sony Watchman N.I.B. 2.7" B/W TV FD-230; Casio N.I.B. 1.6" color TV-100 – $80 ea. Leroy Marshall, 1178 Foxboro Ln., Bartlett, IL 60103. (630) 483-8833



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Amrad 3670 as shown, any condition. Also a Type E crystal set, 3500-2 and other pre-1926 Amrad sets & parts.

Andrew Mooradian, 5 Priscilla Lane
Winchester, Massachusetts 01890
tel. 617-729-1873 after 7 pm

WANTED: Power transformer and chassis end plate for Majestic Model 20. Alva R. May, 6623 U.S. Hwy. 340, Shenandoah, VA 22849. (540) 652-8638

WANTED: Victor Electrola/Radiolas, including parts sets. Especially need RCA power amplifiers AP-736 and AP-777, right-handed magnetic pickup and Radiola 64 drawer, chassis for VE-94. Will pick up. Jeff Lendaro, 1107 Logan St., Noblesville, IN 46060-2346. (317) 773-3969. E-mail: lendaroj@indy.tce.com

WANTED: 14-inch speaker E for Model 33 Atwater Kent radio, also tubes RCA 201A. George R. Thibault, 131 Forge Rd., Westport, MA 02790. (508) 636-2682

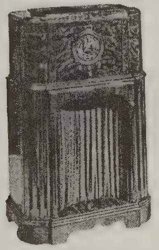
WANTED: Instruction booklet and obsolete tubes, set-up charts for EICO tube tester Model G25, copies OK. Maurer Television, 29 S. 4th St., Lebanon, PA 17042

WANTED: CQ magazine September 1945 issue. Also QST March 1942 and July 1942. John A. Benyo, 25 Schley St., Garfield, NJ 07026

WANTED: Need cabinet, and vernier control (or photo) for Federal radio Model 135. James J. McGrath, W2IOJ, 2 Centerview Ln., West Seneca, NY 14224-2124. (716) 675-0160

WANTED: McMurdo Silver Masterpiece 5 schematic and alignment data. Also, does anyone make a reproduction dial scale for it? Howard T. Douglas, 701 N. Camino Del Codorniz, Tucson, AZ 85748. (520) 298-6450

WANTED: Old audio research Mod AR#1 hi-fi speakers, also Radiotron #204 transmitting tubes and DeForest Type-H transmitting tubes. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net



WANTED: Zenith 16A61 Stratosphere, illustrated. Will pay top price for a restorable example of this set. Will pick-up. Martin Blankinship, PO Box 157, Lecompton, KS 66050. E-mail: ZenMar@cjnetworks.com

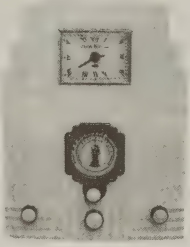
WANTED: Manual or copy for B&K 960 transistor analyzer. Larry Daniel, 1758 Chennault Cir., San Antonio, TX 78226. (210) 923-2634. E-mail: LDaniel102@aol.com

WANTED: 1920's and early 1930's radios, preferably cathedrals, restorable OK. Cylinder phonographs. Also telescopic antenna, knobs, band change buttons for Zenith Trans-Oceanic 8G005TZ1Y. Argirios L. Adamidis, Kampouridi 19, Panorama, Thessaloniki, Greece 55236. (031) 342405

WANTED: Owner/service manuals for reel tape recorders: Akai 280D, 1730D; Sony TC651; TC654; Teac A2050; A4010 (owner manual); Pioneer RT1050. Ray Barnes, 38 Woodmere Rd., Framingham, MA 01701

WANTED: I'm doing research on early transistor component history, from the late 1940's through the mid-1950's. Especially interested in contacting former employees of pioneering transistor component manufacturers such as CBS-Hytron, Clevite, Germanium Products, Marvelco, National Union, Radio Receptor, Raytheon, RCA, Transistor Products, Inc., Tung-Sol, Sylvania, and Western Electric. Would like information on R&D/manufacturing processes, advertising materials, company history, surplus inventory, etc. Thanks! Jack Ward, 20 Elm St., Brookline, MA 02146. (617) 232-1245. E-mail: wardwardj@aol.com

WANTED: T.R. McElroy code practice oscillators and Mac keys. Tom French, The McElroy Collector, 151 Barton Rd., Stow, MA 01775



WANTED: Air King Skyscraper radios, except for that unbearably ugly model with the third (tuning) eye at the top that bears better resemblance to a flounder than to the face of a building. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

WANTED: Telegraph sounders and relays in good or repairable condition for my collection. John Casale, W2NI, 3 Pickering Ln., Troy, NY 12180. (518) 272-3631

WANTED: Emerson Catalin tombstone, Detrola Super Pee Wee, Kadette Classic, Motorola circle grille. Peter Fee, 26 Small Ave., Caldwell, NJ 07006. (973) 403-8913

WANTED: Need chassis: Crosley Oracle 59, Ozarka Armada 78. Need cabinet: Federal E-10 Orthosonic. Bruce Hering, 41120 State Highway 13, Waseca, MN 56093-4217. (507) 835-5619

WANTED: Case for Atwater Kent Model 40. Claus Klapstein, 133 Cedar St., Kamloops, British Columbia, Canada V2B 1G2. (250) 554-2148

WANTED: Zenith chairside, AM-SW in nice condition. Larry Bosher, PO Box 193, Palo Pinto, TX 76484. (940) 325-5333

WANTED: E.H. Scott! E.H. Scott! E.H. Scott! Interested in Scott battery and AC sets, military, accessories, advertising, and literature. Radio Daze, John & Kathy Slusser, PO Box 144, Mendon, NY 14506. (716) 624-9755. Fax: (716) 624-7857. E-mail: info@radiodaze.com

WANTED: Top price for N.O.S. hard rubber or phenolic panel material. What do you have? C. Kirsten, Radio Relics, 15556 Sandra Ln., Sylmar, CA 91342. (818) 364-0491. Fax: (818) 367-1442

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FOR SALE: Westinghouse WW-II aircraft voltmeter ammeter and 300 amp shunt – $60. Ed Davis, Box 203, West Baden, IN 47469. (812) 936-9611

FOR SALE: Hallicrafters S40A – $60. Heathkit tuner AJ12 – $50. DX40 transmitter – $50. Olympic Opta meteor – $75. Sentinel portable 312P – $35. Charles Voigt, 94 Cleveland St., Norfolk, MA 02056. (508) 528-7928

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FOR SALE: 1953 RCA color TV CT-100, new, never been sold, still has tags on knobs. Paul Hager, 5020 Timber Ln. Dr., Cocoa, FL 32926. (407) 639-3059

FOR SALE: Browning FM multiplex BLR15, as is – $40. Drugstore type tube tester – $10. Glenn Hendrix, HC70 Box 117, Ardmore, OK 73401. (580) 226-4644

FOR SALE: N.O.S. tubes (limited quantity): 42 – $10; 45 – $40; 75 – $10; UV199 – $40; X226 – $20; 6AB5/6AF6 – $15 ea.; 6AS7G – $10; 6BK4C – $10; 6BQ5 – $5; 6CA7 (Amperex) – $25; 6EN4 – $5; 6HB5 – $10; 6JA5 – $10; 6JB5 – $5; 6JB6A – $15; 6JE6 – $20; 6JS6C – $20; 6KD6 – $20; 6L6GA – $15; 6LB6 – $15; 6LR6 – $20; 20LF6 – $25; 21GY5 – $15; 36KD6 – $15; 40KG6A – $15; 1P40, 1P29 – $10 ea.; 2050A – $5 ea.; 866A – $10. Used tubes (limited quantity): 6AB5, 6E5, 6U5 – $10 ea.; 6L6G – $10; 5881 – $10; 7591 – $25; 6550 (GE) – $15; 6550 (US-ST) – $30; 7027A – $20; 80-ST – $5; UX-280 – $25; 371/471 – $25 ea.; 227 – $5 ea.; 246 – $15; 256 – $10; 2A3 – $25; untested 673, 828 – $20 ea. Sylvania (yellow and black) 8-shelf tube display, 28" x 18", buyer ships – $60; Vogue picture records, postcard records, (250) Elvis records, Victor outside horn phonographs (Models 0, I, II, III and IV), early Kellogg Wavemaster radio, Tower ship design cone spkr – serious inquiries, please. Astatic 77A microphone – $55; porcelain light sockets, fixtures, etc. – Best Offer. Sams Radio and TV Photofact folder sets, numbers 1-1650; Sams Photofact Auto Radio Series, Vol. 1-245; Massey Technical Institute, Jacksonville, Florida, home study industrial electronics course (radio/TV), Vols. 1-110; others – Best Offer for each set and buyer ships. Western Union Standard Radio Telegraph signal set – $75. Best Offer for the following: B&K television analyst Model 1076, B&K CRT tester/restorer, Sencore CG 159 deluxe color generator, others. Please inquire. N.O.S. Midwest Channel 16 crystals, TV circuit breakers/dual diodes/Focus and B+ boost rectifiers – $5 ea.; original Philco wet cell hard rubber battery (6.5" x 6.5") - Type 172R, with handle – Best Offer. Vintage dealer tube/battery price lists – $5 ea. N.I.B. Air King D.C. Model shortwave adapter, 4-pin type – $150. All plus shipping. R. Whetstone, HC 84, Box 44, Arthur, WV 26816. (304) 749-7295, between 5-9 pm EST

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(Jun-97)

FOR SALE: N.O.S. tubes. Too many specials to list at 10¢ and up. (1) 6B4G and (4) tele 6267/EF86. SASE for Dec.list. B&K 1076 TV analyst and some test equip., radios, tube sockets, manuals, etc. Charles D. Blair, 815 N. 5th St., Cambridge, OH 43725. (614) 432-4453, 9-5. E-mail: blair@jadeinc.com

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FOR SALE: Amps, tuners, receivers, turntables, McIntosh MC30 nice – $800/pr. ARC D76, nice – $800. Knight KN260 – $100; #730 – $40. Allied amp, very old – $50. Fisher 500T – $50; R200 – $125; FM90B – $75; KX200 – $150; X100 – $100. Heath AJ12 – $75; A-9 – $50; AJ41 – $100; AR-15 parts – $50; W4B – $400/pr.; W5M – $175-$225 ea.; AA151 – $90; AA100 – $100; SA3 – $20. Citation 15 – $100. Dyna MKVI – $1,500/pr.; FM3 – $75. RCA MI12188s 70-watt – $400/3. Bell 2315 – $25. VM 1448 amp, 14652 tuner – $60/both; #8810 amp – $10. Sherwood S5000, rebuilt – $150. S9500A – $75. Marantz 3200 preamp – $75. Newcomb E254 amp – $75. RG Labs Dynamic Expander – $25. Marantz 18 parts – $60. Parts units: $25 ea.: JVC 5540, Kenwood KH7100, Techniques SA5560, Sony HP510A, Fisher 115, Lafayette LRC601. AR XA – $125. Zenith Cobra stereo turntable – $10. RCA 45EY4 45 player – $15. 45EY player – $10. Webster Electric crystal, pickup in box 6X80A3D – $35. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: Knight KG660 battery eliminator – $30. TS 1830 battery tester, wood case – $15. Weller TC202 solder station, some wear – $25. ANUSM 119 7-, 8-, 9-socket adaptor kit – $12. (78) Photofacts 1009-2040 – $1.25 ea.; $60/all. New London 100A FM signal generator – $65. Heath 5284 multimeter – $22. IG82 sine-square wave generator – $30. IG 42 lab signal generator – $35. Eico 232 VTVM – $17. RCA WV77E voltohmyst – $17. Lists: Test Equipment, other items; Equipment Manuals, Service Manuals, Tube Manuals, Catalogs, Magazines – SASE, specify list desired. Robert Morrison, 10238 117th Ln., Live Oak, FL 32060. (904) 362-1521, aft. 7 pm

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FOR SALE: Philco 70, nice – $325. Bristol Audiophone, Jr. horn – $195. RCA 1320 horn – $165. Remo trumpet horn – $175. Gilfillian GN-2 and Bristol Super S horn – $395. Crosley Ace 3B – $175. Crosely 51 – $150. Crosley 130 cathedral – $195. Fada 790 – $85. RCA VA-21 turntable with transmitter – $75. E.H. Scott Allwave 23 in a new Wellington (Gothic Grand) cabinet – $4,200. E.H. Scott Cornwalis cabinet – $650. McMurdo Silver II, no cabinet – $850. Philco 16 cathedral – $350. Philco 52 cathedral – $250. GE J-70 cathedral, nice – $250. Early Echophone cathedral – $135. Kennedy 63 cathedral – $85. Stewart-Warner 9000-B chrome grille – $95. Emerson BJ 200 – $75. Motorola 89K-2 console, with clock timer and remote – $195. Victor 7-26, no legs – $100. Colonial grandfather clock cabinet – $95. Capehart Amperion circa 1930, large, coin-op radio/phonograph – $1,800. Victor school house oak horn, excellent original – $1,000. Philco 38-690 cabinet and upper chassis, Aeolian-Vocalion-Graduola art case phonograph, Victor O, and Kimball player piano – Inquire for details. Edison Triumph Model B 2/4 minute, nice original – $1,100. Cylinder records 2-minute – $6; 4-minute – $4; diamond discs – $3. Seeburg Commander jukebox – $1,900. John Hayes, 27 Highland Dr., Henniker, NH 03242. (603) 428-3053. Fax: (603) 428-8315. E-mail: JHayesamfm@aol.com

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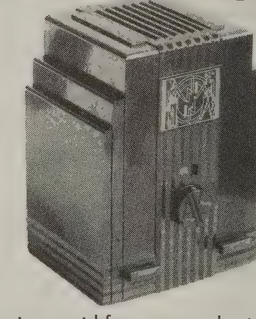
FOR SALE: T/E BK Precision #1801 freq. counter, exc, manual – $50. Triplett #2590 transistor tester, vg, #2432 sig. gen., fair – $15 ea. Simpson 555 tube tester, old, portable, fair – $10. Philco #7070 sig. gen., fair – $10. Realistic TRC215 6 ch. CB, vg, AC adapter – $10. Collins 70E-8 PTO, N.O.S. – $35. Sonar Model E crystal CB, vg, mic – $10/ QST's, 1947-1975, most issues, also CQ and Ham Radio Mag. – Call. Vibroplex deluxe key, ca. 1966, vg – $50. Kenwood TR7800, 2M xcvr, mobile, manual, mic, cords, box – $120. Gary Richardson, PO Box 712708, San Diego, CA 92171. (619) 670-7590

• WANTED •

EARLY PLASTICS



Top prices paid for prewar plastic radios
by Air King, Kadette, Detrola, RCA, etc.

RADIOART
Jim Meehan
P.O. Box 102 • Centerbrook, CT 06409
(860) 526-1762

WANTED: Concentric volume and tuning knobs and bandswitch lever for Zenith console 10-S-464. Ed Frezon, 2 William Ter., Rensselaer, NY 12144. (518) 286-3791

WANTED: Victor Hyperion radio/phono. Also other Victor Electrola models, Borgia-II, 8-60, 10-51, 10-70, Tuscany and others! Have some radio trades. Will pick up almost anywhere. Jeff Lendaro, 1107 Logan St., Noblesville, IN 46060-2346. (317) 773-3969. E-mail: lendaroj@indy.tce.com

WANTED: Philco table #39-19, need not work, but chassis/cabinet must be good/complete. Marv Glassman, 19300 Romar St., Northbridge, CA 91324-1136. (818) 993-4560. Fax: (818) 886-0355

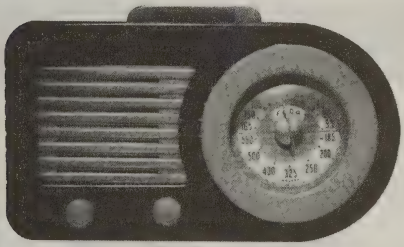
WANTED: Dial pointer for Emerson AX212 (A.R.C. Sept. 1997, p. 11). Metal trim & dial for Knight (Allied) 10530 (M.A.J.A. #1, p. 129). Oscillator coil for Majestic 15. Complete set of knobs for Stewart-Warner R138A (E.O.R. 2, p. 184). Cash or generous trade for any of the above. Floyd A. Mills, 1061 Knight Rd., Madison, GA 30650-4485. (706) 557-2570

WANTED: General Electric P766A transistor radio, mint in original packaging/leather zipcase with accessories. David Mednick, 25 Jefferson St., Apt. #7-B, Hackensack, NJ 07601-5038. (201) 457-0802. E-mail: davemed@msn.com

WANTED: Collins 62S-1, repairable or better condition. Can arrange delivery through stateside address. Hans Zimmermann, HB9AQS, 42 route de Pregny, CH-1292 Chambesy, Switzerland. E-mail: hans.zimmermann@itu.int

WANTED: BC-342-N and LS-3 speaker. Michael Harrington, PO Box 250995, Little Rock, AR 72225

WANTED: Good used tubes: IP5G, IC5G, IH5G, UX280. Jack Ghere, 1753 Community Beach Rd., Odin, IL 62870. (618) 532-5548



WANTED: Fada Catalin radios. Help! My entire collection spontaneously combusted during an interview with the "Enquirer." Replenish and repent ye sinners. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

WANTED: Payphones. 3 slot. Gray, Western Electric, Automatic Electric. I pay highest prices. Stanley Schreier, 350 Hendrickson Ave., Lynbrook, NY 11563. (516) 887-4966. Fax: (516) 887-4780

WANTED: Federal No. 16 tube sockets (2). Thanks! Marc Gottlieb, Box 1112, S. San Francisco, CA 94083-1112

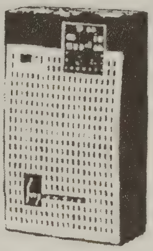
WANTED: JBL 2231A 15" woofer. Will buy 1 or pair, dead or alive. Russell Hulme, 8504 Soneto Ln., Las Vegas, NV 89117. (702) 233-1379. Fax: (702) 242-3857

WANTED: (2) Jefferson audio interstage transformers with 3:1 ratio. Craig Wilhelm, 10 Osprey Ln., Niantic, CT 06357. (860) 691-0664

WANTED: Several dead defunct VCRs, various brands. Trade Crosley, AK stuff or specie. L. Luke, LB 515, Coshocton, OH 43812

WANTED: WD-11 with brass base and tip, and good emission. Carl Steinberg, 5 Cannan Rd., Monsey, NY 10952. (914) 352-0701

WANTED: Electron tubes, ball bearings, radio & aircraft receivers & transmitters, connectors, lamps, relays, switches, breakers. Hy Ness Company, 709B Delair Rd., Cranbury, NJ 08512-4212. (609) 395-1116. Fax: (609) 395-1117



WANTED: Sony TR-52, paying over $1,000 for any condition. Front plastic grille warps easily. Send photo or fax to: Tom Christopher, 45 Boway Rd., So. Salem, NY 10590. Fax: (914) 763-5936

WANTED: I'm in desperate need of the red tuning dial for the Airline Rudolph novelty radio. It's the same dial as the Airline Lone Ranger radio. A reproduction is fine. I will buy a parts set with a dial. I will also pay a nice fee to borrow the dial to have it reproduced. Jim Allen, 1653 Newcastle Dr., Los Altos, CA 94024. (408) 447-4802, days or (650) 968-0640, evenings. E-mail: jimallen@cup44ux.cup.hp.com

WANTED: FT-422 and FT-429 bracket for WWII jeep radio. Cloyd Briley, 725 Christine Dr., Vacaville, CA 95687. (707) 447-5866

WANTED: N.O.S. Type 21LR8 and 31LRB electron tubes. Ham radio magazine: August 1971, April 1968, and September 1972 issues. Richard C. Yingling, 2 S. Locke Ave., Yeagertown, PA 17099

WANTED: Bendix Model 847S Facto-Meter AM/FM receiver with field-strength meter. Steve Byan, 12 Oak Ridge Rd., Littleton, MA 01460-1412. (978) 486-4241. E-mail: smb@world.std.com

WANTED/TRADE: Tombstone or cathedral for (2) fans, Emerson 79648-AP-G and Robbins-Myers M81? R. Rosengarten, 1448 Lebanon Rd., Clarksville, OH 45113-9711. E-mail: brose@erinet.com

WANTED: Collections, bulk and estate sales of radios, tubes, literature, advertising, etc. Radio Daze, John & Kathy Slusser, PO Box 144, Mendon, NY 14506. (716) 624-9755. Fax: (716) 624-7857. E-mail: info@radiodaze.com

WANTED: Early books on radio, telegraphy, wireless and electricity. One or a library. Contact Roger Hart, VA3OA, Old Authors Bookshop, PO Box 403, Morrisburg, Ontario, Canada K0C 1X0. (613) 543-3337. E-mail: authors@mor-net.on.ca

FOR SALE: Copies of Eico, Precision, Simpson, PACO test equipment manuals. Also transmitting and other tubes. No lists, write your needs. Also some Eico and other tube amplifiers. Merry Christmas, God Bless All. Clayton Mundine, 6112 S. Flores St., San Antonio, TX 78214

FOR SALE: Ceramic sockets for 3-500 Z and 4-400A – $15. Plate caps for above and 807s, ceramic or finned aluminum – $1 ea. 9- & 12-pin sockets for compactrons – $4 ea. Plus many other sockets and extenders. Sase for list UU. P.S.: Tubes also. Fred Schmidt, N4TT, Typetronics, PO Box 8873, Ft. Lauderdale, FL 33310-8873. (954) 583-1340. Fax: (954) 583-0777

FOR SALE: Year-end clearance sale: 1927 Steinite 2 excellent solid walnut case, working – $45. AK 35 WT, vg+ – $30. Silvertone: 4500A (Bunis 3, p. 211), near-mint, working – $65. Philco PT 69 (Ramirez, p. 135), near-mint, working – $75. Emerson 888 Explorer black, vg+ – $45. Two 1960's giveaway transistors – $4 ea. Precision 612 tube tester, working, vg – $20. All plus S/H F.O.B. Swarthmore. Sam Mannino, PO Box 233, Swarthmore, PA 19081. (610) 353-6747

FOR SALE: General Radio rotary converter 12Vdc to 100VAC – $40. Hickok VOM & capacity meter #203 – $40. Western Electric Wheatstone bridge, 1920 – $50. Phono horn for Edison fireside, vg – $200. Zenith long distance portable, vg wood case – $45. Federal Jr. crystal set, vg – $200. Wally Worth, 2 W. Elm Ave., Wollaston, MA 02170. (617) 479-4512, please call before 9 pm

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FOR SALE: (10) volumes set Hawkins Electrical Guide, plus (3) extra volumes – $30 plus shipping. Leon Schimmel, 17411 Yakima S, Spanaway, WA 98387

FOR SALE: Transistor radio, Trancel T-11 (Bunis 1, p. 221) works – $30 ppd. R.J. Eastwick, N2AWC, 224 Chestnut St., Haddonfield, NJ 08033. (609) 429-2477

RADIO XXIX

OUR 29th GET-TOGETHER

An Indoor Old Radio Flea Market

6500 square feet — 90+ tables available

Sunday, February 22, 1998
8:00 A.M. 'til 1:00 P.M.

Westford Regency Inn — Regency Room
Westford, Mass. (I-495 at Exit 32)

Look for additional information January & February A.R.C.

Sponsored by:

The Greater Boston Antique Radio Collectors

Not a club, no dues, no newsletter... just a great group of collectors!

Thanks to Antique Radio Classified for organizing this meet.

FOR SALE: Ampex Micro 70 portable cassette – $50; 1270 portable stereo R to R – $150; 1570 stereo/binaural AM/FM/R to R console – $300. Transformers: Silver-Marshall 230, 231 – Offers. Thordarson 3475 PP plate to PP grid w/knurled connections – $20; Hallicrafters 52-021 power trans. – $50; Thordarson T-2445 filament transformer 1.5v/2.5vct/5vct in nice black crinkle case w/line cord – $40. GI 23350 motor – $20. Six Burgess Z4 6v batteries I.O.B. – $20. 9LP7 CRT – $30. Crosley 50, clean, no tags, WT – $100. **WANTED:** Power transformer or parts chassis for Saba 400 automatic. Chuck Ulrick, 8282 Afolkey Rd., Dakota, IL 61018. (815) 563-4905, after 6

FOR SALE: Brownie 300 movie projector, Model 4, F/1.6 lens, instructions. **WANTED:** Auto radio signs. TCM, PO Box 363, Rotterdam Jct., NY 12150-0363

FOR SALE: Supreme Pragnometer tube and other checking 1930, very good w/accessories and manuals – will take offers. Elmer Jorgensen, 3535 E. Cook, Lot 181, Springfield, IL 62703. (217) 241-2535

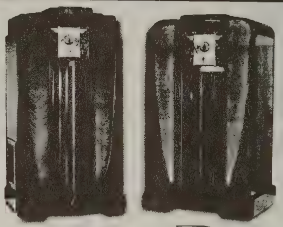
FOR SALE: Columbia HG – $2,500 or Best Offer. **WANTED:** Dial trim for Western Royal Model 1A63. Allan Hibsch, 4 LaForet Ct., Oroville, CA 95966

FOR SALE: Zenith T/OH500 WT clean original – $115. Crosley Super Trirdyn regular WT clean original not tested – $150. Model 100A Radiola loudspeaker, clean working with plug – $95. All like new, (13) mikes all – $100. Plus S/H. Carlos Gimenez, 15091 Shamrock Dr., Fort Myers, FL 33912. (941) 482-0198

FOR SALE: Airline 74BR-1502B, Emerson 544, Zenith 5R-236 chassis – $15 ea. All w/o tubes. Zach Taylor, 1413 Broadway, Lincoln, IL 62656. (217) 735-3772

FOR SALE: Telefunken Hymnus 5438-MX, AM/FM, SW, phono, tape inputs, vg working cond – $80. Larry Peterson, 245 1st Ave., Santa Cruz, CA 95062. (408) 457-0445

WANTED



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I will pay top dollar for pre-war Midwest Royales. Also seeking other strong deco Midwest consoles and tabletop radios in restoreable condition. Paying top dollar for any Midwest catalogs or other advertising. I can arrange for shipping anywhere in the US so please contact me if you have something of interest.

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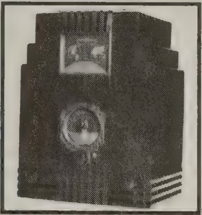
WANTED



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paying $12,500.00+ for near mint condition red or blue
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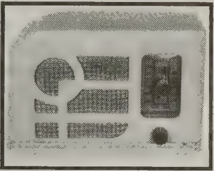
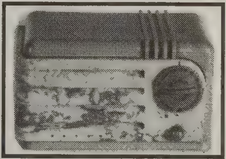
$3000.00+ for black and $2000.00+ for white or brown
I also buy parts sets, thay don't have to be MINT
ALSO WANTED ANY COLOR~ANY CONDITION
COLLECTOR PAYING TOO MUCH, *CALL ME LAST*



TOM THUMB RADIOS WANTED

paying $2500.00+ for any mint one and
$6000.00+ for mint cond. red, green, orchid, blue or gray
ALSO WANTED ANY COLOR~ANY CONDITION



DETROLA PEE WEE & SUPER PEE WEE WANTED

paying $600.+ for mint cond. black, white
$1000.+ for beatle, gray, salt & pepper
$2000.00+ for red, blue $3000.+ for green or lavender

WANTED ANY CATALIN RADIO

FADA 115, 116, 200, 1000, all yellow $575.00, maroon & yellow $675.00
yellow & red $800.00, pea green $900.00, blue & yellow $2,000.00
EMERSON AU 190 & BT 245, yellow $1,200.00, green $1,700.00
dark red $2,250.00, blue $4,250.00, **bright red $11,000.00**
FADA L56, F55, 52, 5F50, 5F60, 136, 53X, yellow $900.00
light green $1,350.00 maroon & yellow $1,500.00, yellow & blue $1,700.00
yellow & red $2,400.00, yellow & bright green $2500.00,
blue & yellow $5,500.00, emerald green & yellow $5,750.00
HALSON any color $1,500.00 to $5,000.00
SPARTON CLOISONNE any color $2,500.00 to $5,000.00
MOTOROLA 50XC green & yellow (UNRESTORED ONLY) $4,250.00
EMERSON BM 258 yellow $750.00, green $1,350.00
red $1,850.00, blue $3,000.00
DeWALD A501 (HARP) brown $300.00, yellow $400.00, red $1,000.00
ARVIN 532 any color combination $1,350.00, **EMERSON 520** $60.00

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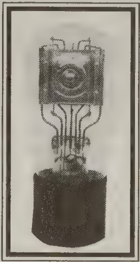
watch out there's a new guy in town

FOR SALE

FOR SALE



UX-201A $9.00 each
UX-200 $8.00 each
UX-200A $9.00 each
12A $7.00 each
112A $12.50 each
71A $7.00 each
171A $12.50 each
224A $3.00 each
226 $7.00 each
227 $2.50 each
235/51 $2.50 each

Blue 101A $45.00 each
Blue 122 $22.50 each
Blue 127 $12.50 each
Blue 124A $11.00 each
Blue 126 $18.00 each
Blue 128 $22.50 each
Blue 133 $22.50 each
Blue 135 $10.00 each
Blue 145 $75.00 each

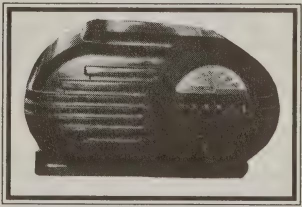
FOR SALE

FOR SALE

UX-200 B+T $35.00
UX-200A B+T $35.00
UX-201A B+T $40.00
UX-201A B/B $25.00

ALL TUBES TEST GOOD

FOR SALE



Belmont 6D111
Brown bakelite mint no back, $225.00

ALL PRICES ARE WITHOUT SHIPPING CHARGES

FOR SALE/TRADE: Hallicrafters Hurricane transmitter w/SP2000 power supply and matching VFO – $1,200. Hallicrafters Super Skyrider w/matching speaker – $400; SX28 w/matching speaker – $535; S-36 – $450; SX101A – $400; SX12 – $350. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: As found radios for sale. RCA Victor 1X591 – $100. Mickey Mouse GE 35, cracked case – $30. Crosley 56TX – $80. Sentinel 314W – $75. Philco F 963-1 – $40. Admiral 7M18 – $25. DeWald D-616 – $100. Dahlberg 4130D – $125. Truetone D-2412B – $50. Airline 9HHA 1562 – $35. Philco 630T – $50. RCA T1D – $35. Mitchell 1250 – $65. Zenith H511 – $50. Philco F9631 – $45. Zenith H509V – $30. Westinghouse H557P4 – $20. Zenith R500YEI 8KT40Z2 – $25. Truetone D2411-B – $25. Hallicrafters S38A – $75. Philco Ford B/W TV B37 OEWH – $60. Emerson 520, badly cracked – $55. Philco 40-115 – $25. Emerson 543 – $50. Does not include S&H. Stan Martinez, 801 W. Lynn, Austin, TX 78703. (512) 478-6587

FOR SALE: Boonton Laboratory capacitance bridge 75AS8 .25% accuracy, excellent working & cosmetic condition – $75. Guaranteed. Alan J. Kriss, 1872 Portsmouth Way, Union, NJ 07083. (908) 688-2092

FOR SALE: Teletype, early model circa 1945 transmitter and receiver – $150, pick up only. Telephone demonstrator of dial system, stepper relays for 4-digit no. from telephone museum – $150 pick up only. Turner 22D mike – $45. Astatic 241 mike – $35. Ron McClellan, 201 W. Boot Rd., West Chester, PA 19380. (610) 363-5637

FOR SALE/TRADE: 1940 WWII Italian military receiver made by Allocchio Bacchini Co. in Milano, Mod 490 TIPO, 8-tube, 5-band, nice – $275. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Everything must go! Books, parts, magazines, knobs, manuals, catalogs, literature, test equipment, ham stuff, much more. SASE list, prices negotiable. Bill Tucker, W4FXE, 1965 S. Ocean Dr., Apt. 15-G, Hallandale, FL 33009. (954) 456-1349

FOR SALE: Radiola 62, works good; Radiola 64 fine working radio, very good condition. Jeff Drown, Box 166, 16 Maple St., Sterling, MA 01564. (508) 422-6069

FOR SALE/TRADE: The following McIntosh audio items: Mod A-116 amp – $425; MC-30 – $425; MC-40 – $600; MR-71 – $895; MR-78 – $975; MR-67 FM tuner – $750; MA5100 solid-state amp – $650; MA 1700 tuner/amp hybrid – $500; C-108 preamp – $175; Two C-4 preamps – $250/pr.; MA 230 tube/SS amp – $425; MA 2100 amp – $700; C-28 preamp tuner – $300. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: More Christmas gifts for the man who has everything: Vintage color stuff: RCA 15GP22 prototype CRT envelope, complete, but no gun in neck, #811, out of over a billion color CRTs produced, circa 1952; one CBS 19HDP22 rectangular, picture tube prototype from 50's; three face assemblies, 2 round, 1 rectangular, all 19", including shadow masks all from 50's; Astatic color wheel housing, electronics w/case; attachment for converting black and white set to CBS mechanical color system, also have lit on same; pair Orrtronic 2-way tube powered monitors from 60's, 6BQ 5 outputs, sweet, nice 50's formica cabinets; several wire recorders restored to parts: Bozak 12" woofer w/2 tweets mounted, excellent. All stuff open to cash offers or trade for following wants: Allied, Lafayette, RCA catalogs from 50's/60's, Mac 60, Mac 30, Mac C20, vintage mics and stands, cold war era stuff, RCA memob, Espey radios. Merry Christmas! Ward Kremer, 5807 Papaya Dr., Ft. Pierce, FL 34982. Ph/fax: (561) 468-7732. E-mail: WKremer798@aol.com

Tube Lore

A REFERENCE FOR USERS AND COLLECTORS

By Ludwell Sibley

For serious tube enthusiasts, a new look into tubes from 1920 to the present: history of design trends, technical data, equivalencies, stocking-up hints, "where-used" information, even recent auction prices. Here's what it contains:

- **Trends in Tube Design**: major styles that shaped the industry - acorns, metals, loktals, miniatures and subminis, lighthouse, nuvistors, compactrons. Odd design variants and special "reliable" types.
- **Receiving and Audio Types**: "prehistoric" types from 25 tiny manufacturers as well as the big guys. Information on a lot of collectible tubes in one place. Basic data on lots of later types not found in ordinary tube handbooks, and early CRTs.
- **Special-Purpose and Transmitting Tubes**: covers the familiar ones and lots of unknown types. "Regular" tubes, plus magnetrons, klystrons, thyratrons, ignitrons, camera tubes, etc. Capsulized characteristics on 2300 "specials" from 5512 to 9019. Helps identify that just-found "whatzit."
- **Military Types**: a *researched* list of Signal Corps "VT" tubes; historic Navy types; coverage of Canadian "REL" tubes.
- **Unique Tubes** from major makers: De Forest, Eimac, GE, Raytheon, RCA, Sylvania, Westinghouse. A 13-page chapter on Western Electric!
- **User's Guide**: ideas on testing, adapting, repairing, reactivating, reading date codes, detecting the real maker of private-brand tubes, turning random bagfuls into usable repair stock.
- **TV Sweep Types**: what tubes are used in eight audio amps and 78 amateur transmitters/linears; hints on substituting as the originals get scarcer and more expensive.
- **Auction Prices**: for collectible and audio tubes, from six major tube-rich sales.

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WANTED: Western Electric amps, horn, spkr, xfmr, wire, socket, caps and data sheet, etc. 101, 102, 104, 205, 211, 212, 216, 217, 242, 252, 253, 262, 271, 274, 275, 276, 284, 300, 310, 339, 347, 348, 349, 350, VT2, VT25A, VT52. Others: KT66, 77, 88, RCA 50/250/350, 245/345, 845, Telefunken ECC81, 82, 83. Jun Mizuno, 933 Portswood Cir., San Jose, CA 95120. Tel./fax: (408) 268-4016. E-mail: jmizuno@usa.net

WANTED: Original, perfect red or blue knobs and/or handle for Emerson Patriot. Al Wirtenberg, 15 Wilson Rd., Weston, CT 06883. (203) 544-9270. E-mail: mswaw@mail.snet.net

WANTED: To purchase an excellent 7G605 1942, Zenith Trans-Oceanic. Exterior and chassis must be mint to excellent. Bobby Math B. Malone, 2464 North Cherry Dr., Jackson, MS 39211. (601) 362-1764

WANTED: Collins receiver in good cond. Joel Levy, 8 Waterloo Dr., Morris Plains, NJ 07950. (973) 285-0233

WANTED: Philco 70 w/original finish and brass escutcheon. Michael Harrington, PO Box 250995, Little Rock, AR 72225

WANTED: 1926 Fada 480A and a 1928 Brunswick 5N0. Ken Martin, 12667 Eckard Way, Auburn, CA 95603. (916) 885-0243

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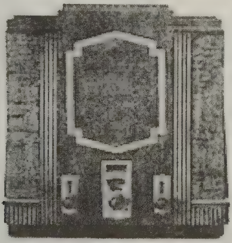

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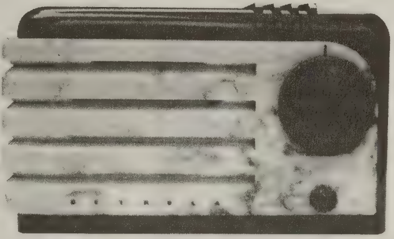

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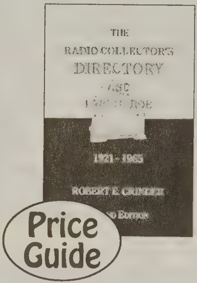
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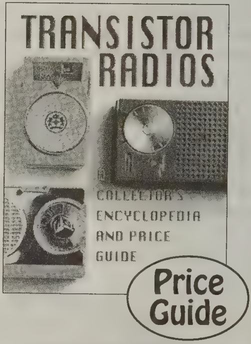
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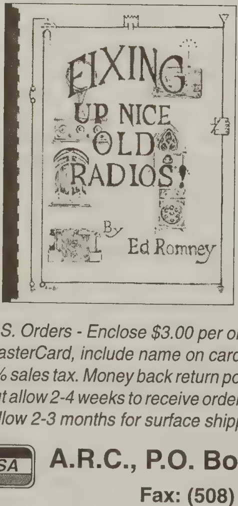
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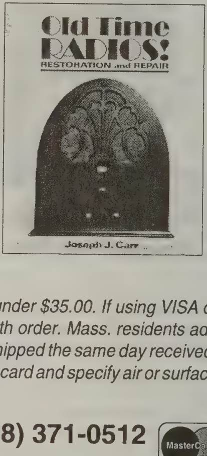
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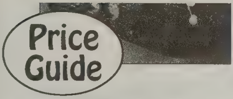
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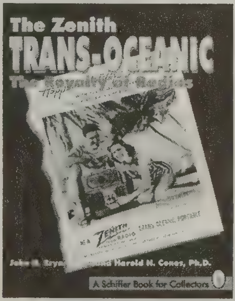
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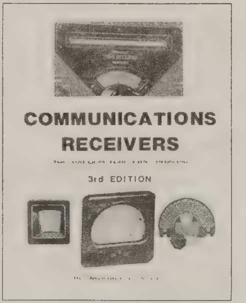
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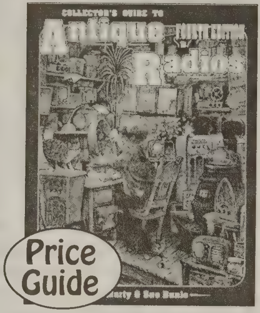
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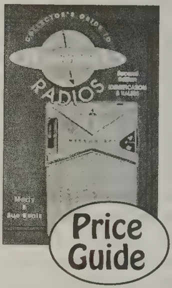
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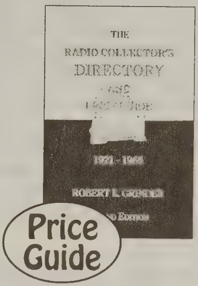
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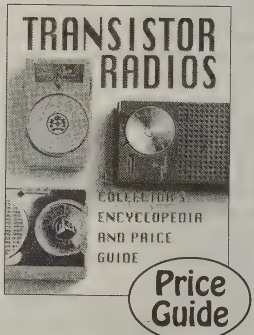
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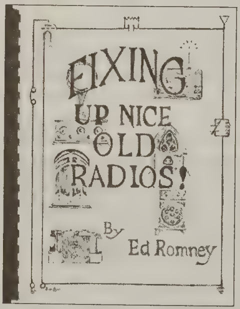
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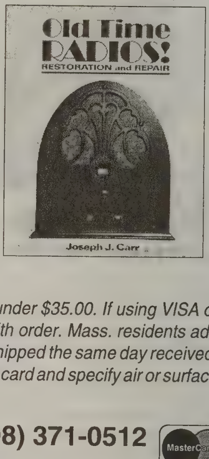
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___ Radios, transistor
___ Radios, automobile
___ Radios, shortwave
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___ Radios, other
___ Television, CRT
___ TV, spinning disk
___ TV, projection
___ Speakers, horn type
___ Speakers, cone type
___ Speakers, misc. type
___ Vacuum tubes
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___ Transmitters, spark
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___ Books, radio
___ Catalogs, radio
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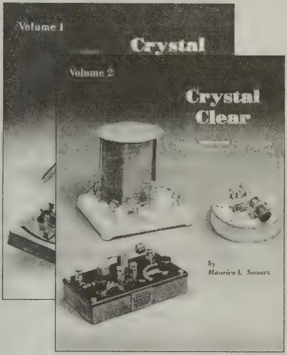
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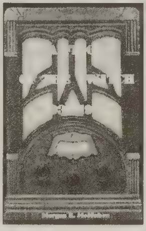

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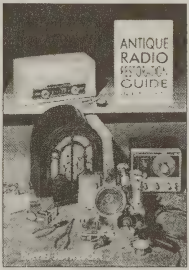
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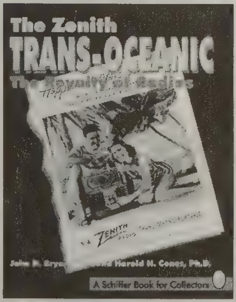
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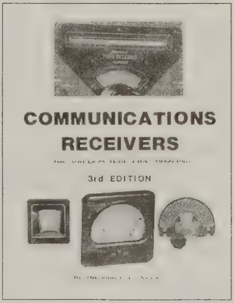
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(Dec-97)

FOR SALE: Emerson 888 transistor, red case, vg, working – $25. John F. Ambos, 754 Carleton Rd., Westfield, NJ 07090. (908) 232-7762. E-mail: jambos@home.com

FOR SALE: EV 15W, 15WK – $135 ea. McIntosh MR-65B – $230. M1-3 scope – $325. JBL C36 2-way – $650 pr. D131, D130 – $75 ea. Dyna MK II – $115. Scott 208 amp – $250; 130 pre – $170. HKI and II – $650. Pilot 260 amp – $285. Knight chrome amp – $350. Sound City 120 amp – $220. Gibson 79 amp – $575. Collins 75A4 – $650. Heath W5M – $115; W4 – $85; W3 – $135. Tubes used: KT66 – $40 ea. EL37 – $35 ea. Tim Simpson, 915 Enright Ave., Cincinnati, OH 45205. (513) 471-1916

FOR SALE: McIntosh MC40s, rusty chrome, 1 bad power trans. – $700. Lafayette KT550 & KT600A, amp needs cap – $500. Interelectronics coronation 400 broadcast amp, 40 watt, needs work – $180. Fisher 30A – $90. Regency HF-350P preamp, needs work, wood case – $100. Fisher A-200 tuner, bad filter switch, missing 4 knobs & jewels – $75. AR 2ax's decent working pair – $100. Older Lafayette 15" woof, SK-74 mid, SK-253 horn tweet & LN-5 crossover – $100. EV T35 tweeter – $75. KLH Model 9s, can't ship – $450. Utah Celesta C12PC-3 – $140 pr. All + ship. Chuck Steika, 24 Frederick St., Johnson City, NY 13790. (607) 797-9573

FOR SALE: RCA Victor Magic Eye 88-T – $40. Triplett 2590 transistor tester – $35. Stamp for list. David Boardman, 10 Lemaistre, Sainte-Foy, Quebec, Canada G2G 1B4. (418) 877-1316, evenings

FOR SALE: The following Crosley table models in working condition: 56TU – $30. E20TN – $40. 56TX – $30. 52TG – $35. 11-107U – $35. Two repainted, others original, need minor touch-up. All have backs and labels, all plus $5 shipping. Stan Ward, 56 Third Ave., Berea, OH 44017. (216) 243-7197

FOR SALE: Zenith T-O battery box – $20. Zenith headphones – $20. **WANTED:** SX-42, HQ-160, R-4B. Mike Brillhart, 12551 Maiden Creek Rd., Abingdon, VA 24210. (540) 944-4387, 9-11 EST

FOR SALE: Kenyon 1940 transformer catalog including specifications, graphs and prices – $15 ppd. Bob Curwin, 759 Jody Ln., Hoffman Estates, IL 60194. (847) 490-1414

FOR SALE: Realistic DX-150A – $75. Also, parting out Zenith 10S690 & 12H695 (no knobs or turntables). Arman R. Cote, 6 Sycamore Ct., Atkinson, NH 03811. (603) 362-8715. E-mail: Arcote@aol.com

FOR SALE: NC 300 National receiver covers ham bands includes 1 1/4, 2, and 6 meters using a converter, not with this unit though has repro book and xtal calibrator HB – $250. L.S. Colebank, 742 Albany Dr., Bismarck, ND 58504. (701) 258-7646

FOR SALE: (2) 35mm movie reels, Westward Ho & Leatherneck Lieutenants, plus misc. 16mm reels. **WANTED:** Jukebox parts. John Walch, 381 Co. Rt. #17, Bernhards Bay, NY 13028. (315) 675-8135. E-mail: jwalch@juno.com

FOR SALE: Hewlett-Packard catalogs, 1985-86, Rider's Troubleshooting Manual XIII – $10 ea. plus S&H. Ed Povraznik, 9606 Biddulph Rd., Brooklyn, OH 44144-3015. (216) 661-0032

FOR SALE: (2) ea. Panasonic Mod R-1326 shirtpocket, one red, one tan, as found – $50 both. Darrell Combs, 6587 Pacheco Way, Citrus Heights, CA 95610. (916) 969-0635

FOR SALE: Portable 12-inch RCA home recorder, test meters, carbon mike, RCA Institute correspondence course. Bill Leggott, Box 501, Bowmanville, Ontario, Canada L1C 3Z2. (905) 623-8525, eves.

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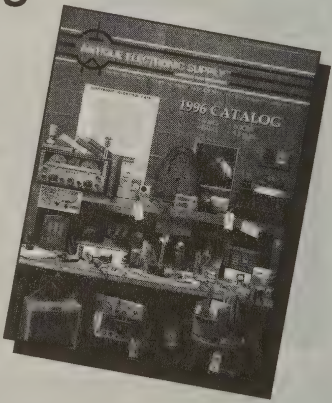

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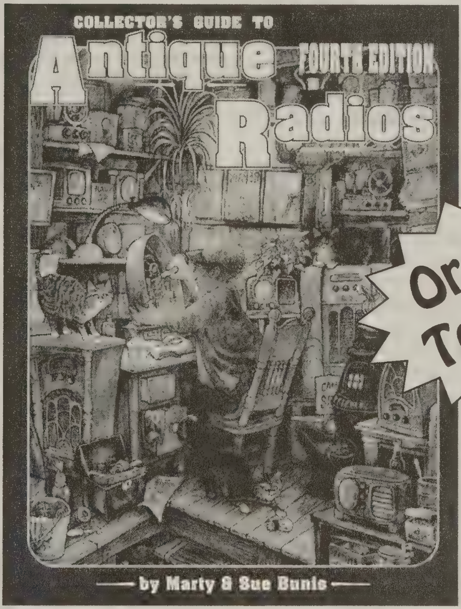

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(Apr-97)

FOR SALE: Six JAN 3B28 tubes – $30 plus. Elwood Hunt, 308 Georgetown Rd., Carneys Point, NJ 08069-2512. (609) 299-5259

FOR SALE: Rare GE integrated tube amp, AI-230, 2 chassis in 1, (2) 6L6 – $250 BO. Mr. Bank, 303 DeVoe Ave., Yonkers, NY 10705-2709. (914) 476-5933

FOR SALE: Our active, tunable power loop will make your antique radio come alive. Guaranteed – $29.95 + $6.95 shipping. Loomis Labs, 2012 Citrus Ave., Jessup, MD 20794-9785. (401) 799-7763

FOR SALE: Red Patriot, mint, no box – $1,500. Old 25¢ slot machine – $1,300. List LSASE. Richard Bednarcik, 28 Steele Ave., Lincoln Park, NJ 07035. (973) 694-6374

FOR SALE: Radio books, excellent gifts. Paul Washa, 4916 Three Points Blvd., Mound, MN 55364-1245

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FOR SALE: Royal 7000 Trans-O – $185. RD7000Y Trans-O, mint, works, FM only – $145. Royal 755 – $20. Royal 500 black – $40. Emerson 558 – $30. RCA 66BX aluminum portable – $45. Motorola 5A4 portable – $40. Gilfillan 5G finished rear – $40. John Linden, 199 Oak Rd., Alamo, CA 94507. (510) 831-8848

FOR SALE: RCA radio Model T-80 – $60. Radiola 16 – $85. Garrod record changer Model AT6 – $50. Frank Waskiewiz, 143 Carlls Path, Deer Park, NY 11729-6101

FOR SALE: Silvertone amateur radio late 30s and other radios. SASE List. Chucks, PO Box 598, New Haven, WV 25265. (304) 882-2220

FOR SALE: Antique radio schematics plus data still only – $3. Joseph R. Forth, 321 Long Vue Acres, Wheeling, WV 26003. Phone or fax: (304) 277-3154. E-mail: Schematic1@aol.com

FOR SALE: Used technical books, lots of magazines – $1 large list. Tubes, new/used, tested – LSASE. Looking for hardware for Kiel table, holds AK55. Softwave Communications, 1515 Sashabaw, Ortonville, MI 48462

FOR SALE: Tubes: 71A, 45, 6E5, 6U5, 2E5 and Jan. military tubes – SASE list. Robert J. Stone, 721 Fisk St., Piqua, OH 45356-3729

FOR SALE: Tube Fisher receivers, tuners, amplifiers and (1) K-10 reverberation unit, used power & output transformers, IF transformers, knobs and small parts, service & operating manuals, no shipping, pickup only. Send for prices. Russell Sound Systems, 720 College Dr., San Jose, CA 95128-2812. (408) 295-7110

FOR SALE: Spherical Audion, double wing, both filament good, leads intact – Best Offer. J. Arndt, 1215 Division St., Manitowoc, WI 54220. (920) 684-8830, leave message

FOR SALE: Floor cabinet for AK breadboards, (see Douglas, p. 80), excellent condition – $500 pick up. James M. Cole, K4HRO, 240 Gillespie Dr., Abingdon, VA 24210. (540) 628-2835

FOR SALE: Fisher, Bogen, Harman Kardon, Craftsman, Fada, more. List – $1 and SASE. Joseph Bedlovies, PO Box 139, Stratford, CT 06497

FOR SALE: Why pay more? Specials on old car radios and tubes! SASE for lists! Mitchell Thermionics, 211 Argosy Dr., Gaithersburg, MD 20878

FOR SALE: Replacement castings for automatic Victrola phonograph mechanisms: Models 10-50, 51, 70 and 9-55. Charlie Weatherbee, 2120 The Crescent, Clermont, FL 34711. E-mail: wd4cgx@aol.com

FOR SALE: Radio/related list – SASE. **WANTED:** Always telegraph relateds, buy/trade for my surplus. Joe Jacobs, 5 Yorktown Pl., Fort Salonga, NY 11768. (516) 261-1576. E-mail: Joekey@aol.com

FOR SALE: Electronic Engineering books, as new – $6 ea. SASE for list. Mike Korsower, 34 Cromwell Rd., Monroe, NY 10950

FOR SALE: Sams sets 116 thru 932 – $2 ea. plus shipping. SASE for list. Leo Pedersen, 1881 Bradley Ln. LPR, Estes Park, CO 80517-6923. (970) 586-4576

FOR SALE: Microphones for sale: Sennheiser MD421-U5 – $200. Altec 639 – $600. Solid oak, On Air light, N.I.B. – $175. American salt shaker mics – $35 ea. Sony DAT recorder, used once – $400. Mike Dupuis, 116 First Ave., Tuckerton, NJ 08087. (609) 296-4883

FOR SALE: Marantz 8B, nice – $1,250 or trade for limiters. GE 6550A N.I.B. – $30 ea. Mike States, Box 81485, Fairbanks, AK 99708. (907) 456-3419. E-mail: mstates@polarnet.com

FOR SALE: Radio Retailing & Radio Today, 1936-1951, (164) editions – $450. Philip Collins, El Royale #806, 450 N. Rossmore Ave., Los Angeles, CA 90004. (213) 466-4980. Fax: (213) 465-6880

FOR SALE: Used 807 tubes, tested OK, guaranteed – $5 ea. + $3 Priority Mail. James T. Schliestett, W4IMQ, PO Box 93, Cedartown, GA 30125. (770) 748-5968. E-mail: imq@bellsouth.net

FOR SALE: Motorola 38FRC wood table R/P, very ornate, very good condition – Make Offer. Ken Miller, 10027 Calvin St., Pittsburgh, PA 15235. (412) 242-4701

FOR SALE: (2) Selsyn Type 1339-0160 (antenna) for Collins SC-101 console – $50 ea. (1) RCA wind screen MI-11011 for BK-5, vg – $50. Marcel Vallee, 703 Boul St. Germain, Rimouski, Quebec, Canada G5L 3S6

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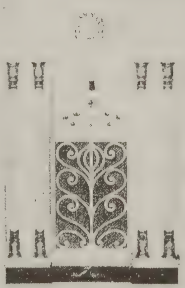
FOR SALE: Trav-Ler 1935 #51 tombstone – $110. Zenith Ertl truck, N.I.B. – $100. List, LSASE. Ripley, Box 9374, N. St. Paul, MN 55109. (612) 777-6791

FOR SALE: Emerson Repwood cathedral, very rare – $1,895 firm. Emerson five-tube tombstone, mint original – $175. National Cash Register, ornate brass, professionally restored (1910) Style 395 Model 39 3/4 – $995. Majestic Treasure Chest Model 381, mint – $425. Columbia BI with a beautiful nickel petal horn, 1901 – $1,695. Atwater Kent Model 5, mint – $6,800. Zenith Model 1005, the ultimate powerful ten-tube tabletop – $495. Fada Repwood cathedral Model 43 – $1,395. Stromberg-Carlson 140L, super mint console – $375. Philco 60 cathedrals, beautifully restored – $235 ea. Philco 89 cathedrals, beautifully restored – $285 ea. Philco 39-31 console, mint original – $175. General Electric Art Deco ten-tube console Model H-116 – $175. Crosley 10 strike cathedral Model 1-0 – $495. Call Harvey for free pictures. Harvey Daniel Rieff, PO Box M-372, 659 1st St., Hoboken, NJ 07030. (201) 659-0401, day or (201) 262-9466, evening

FOR SALE: Schematics – $2.75. Riders Radio and TV manuals. Xerox copies of service manuals: Zenith 942 pages – $65 (original $100); Philco 300 – $30; Crosley 322 – $30; Atwater Kent 463 – $35; Riders Radio Index 1 through 23 – $25. Books: Electricity, radio, TV; technical and service. SASE for list. Dick Oliver, 28604 Schwalm Dr., Elkhart, IN 46517. (219) 522-4516

FOR SALE: Lee DeForest complete TRF radio receiver, including the MT-200 tuner, with a complete set of resonating coils, the MP-100 audion control panel, and the MP-200 one-step amplifier. It is an original, complete version in the wooden case and is in mint condition. Also included is a custom-made regulated battery eliminator. This set looks and plays perfect. Make offer. Albert Hooning, PO Box 12904, Palm Desert, CA 92255. (760) 360-7655

FOR SALE/TRADE: Grunow 500, chrome grille restored – $225. Emerson 520 – $125. Tasma Australian Bakelite (A.R.C. 12/96), hairline – $125. Keith Dennison, PO Box 109, Victory Mills, NY 12884. (518) 695-6723



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The pictured E. H. Scott Radio in a white cabinet. If you have any info on this radio, please contact me. Thanks!

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FOR SALE: #20, #21 & #22 Rider's manuals – $30 ea. B&K #960 transistor analyst – $10. Phaostron #MA-1 tester – $10. RCA #WO-37A oscilloscope – $10. Zenith Royal 710 – $10. Universal color tube tester – $10. ATR DC to AC inverter – $8. Stancor #752 power supply – $10. Victor Japan #6A-2605 radio – $40. Gloritone #27-S cathedral – $125. General Electric Unimeter #ULM-3 – $8. Following group of books: Radio Engineering Handbook, Radiotron 3rd, FM by Rider, 1978 Radio Amateur Handbook & (2) RCA Reference books, all – $15. Aiwa #TP-801 R/R recorder – $15. Zenith G503Y portable – $40. (2) Sony cassette recorders – $15. Zenith A600 portable T-O – $75. Scott #1510 chassis – $80. Fender Bassman #SF6A amplifier – $150. Realistic 15-inch speaker – $20. Zenith X347 radio – $40. Kirby #105 CRT tester – $8. Knight old tube tester – $20. **WANTED:** Amplifier for AK breadboard, Crosley #48 chassis, cabinet for Philco #20 + cabinet for Majestic #161. Walt Wrabek, Rt. 4, Box 370, Menahga, MN 56464. (218) 564-4623

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FOR SALE: Sams sets 189-784 – $5, prepaid any set. **WANTED:** Plug-in ballast unit for Majestic radios Models 91 and 92. Ballast unit is metal with air holes and plugs into standard 2-blade wall receptacle. Service information for 1963 Kimball electronic player organ, model 511P. Hand-held microphone for Radiola-Electrola 86 (and many other models). Looks similar to candlestick telephone. Doug Hershberger, 12 Lockport Ave., North Tonawanda, NY 14120-3129. (716) 692-7836

FOR SALE/TRADE: Misc. items: Tuska variometer tuning condenser – $100; ivory JVC space helmet TV, working – $200; Silver Model 800 H.F. receiver made by McMurdo Silver Co. in Hartford – $175; Radiola Grande – $800; Radiola II – $475; Radiola III and IIIA – $175; and $225 includes 199 tubes. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: Hallicrafters SX25, speakers, manual, accessories – $225 + UPS. Don Howland, 4621 W. Shawnee, Spokane, WA 99208. (509) 466-0939

FOR SALE: Philco 89 cathedral, plays great, good cabinet – $125. (5) Dahlberg coin-op radios, green, as is, no speakers – $135. John Kolenko, Box 275, Cherry Tree, PA 15724

WANTED: Information on proper field coil operating voltage for circa 1936 Jensen 15" speaker Model B15/ Concert. Dana Parson, PO Box 55426, Bridgeport, CT 06610-5426. (203) 333-0659

WANTED: Cabinets for Philco 70 and 91 cathedrals, must have good veneer and wood grille work. John Pisarski, 114 Evans Rd., Norristown, PA 19403. (610) 539-0756

WANTED: We buy tubes of all types. Please fax or send us a list and we will promptly send our offer. Leeds Electronics, 68 N. 7th St., Brooklyn, NY 11211. (718) 963-1764. Fax: (718) 963-1963

WANTED: Capehart Orchestrope, Victor 9-55, 10-50, early radio phonos with changers. Pre-1934 jukes. Alan Wohl, 247 Prospect Ave., Cedarhurst, NY 11516. (516) 295-5614

WANTED: Silvertone Model 6439A knobs and Silvertone Model 4763 junker with speaker and bezel. Henry Tessier, 945 Commercial St., Weymouth, MA 02189. (781) 337-7279

WANTED: Western Electric tubes: $800+ for 252A, $600+ for 300A. Others please call. Ming Yang, 1995 University Ave., #119, Berkeley, CA 94704. (510) 376-4220. Fax: (510) 376-8861

WANTED: Grebe Synchrophase 7, chassis or all; prefer AC but will accept battery or Sparton 931 chassis. Carol Scott, 1402 Cora #1, Ellensburg, WA 98926. (509) 925-1030. E-mail: scottc@adsnet.net or http://www.adsnet.net/radio

WANTED: Coil for Loewe OE333, coil for National Monodyne GT-1 one-tube set. Marc Ingenthron, 9748 Outlook, Overland Park, KS 66207. (913) 642-4767. E-mail: ingen@swbell.net

WANTED: Catalin and colorful early plastic radios in any condition, also any parts for these radios. Also looking for Lackner Neon Glo clocks. Please write, call or e-mail: Jean-Claude Reboul, 7010 S.W. 48th Ln., Miami, FL 33155. (305) 662-1986. E-mail: miamiradio@aol.com

WANTED: Your residue from past years, knobs, dials, dial glasses, escutcheons, cabinets, etc. before 1960. By the bag or the bushel. Larry Porter, 4115 Beam Rd., Crestline, OH 44827. (419) 683-2540

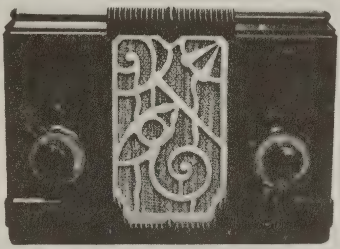
WANTED: Radiotron Designer's Handbook, 4th edition. Will pay up to $50. Call toll free. Frank Bequaert, Rainy Day Books, PO Box 775, Fitzwilliam, NH 03447-0775. (800) 215-0046

WANTED: Just purchased a mono amp made by Pacent with (3) tubes in front: UX281, UX250 and UX226. Want to buy another same Pacent mono amp. Also need literature, manuals, schematics and above tubes. Will pay reasonable price. C. Ong, 10223 Valentino Dr., #7304, Oakton, VA 22124. (703) 255-3218. Fax: (703) 255-3718. E-mail: ongkt88@erols.com

WANTED: Jensen Model HNP-51, Type H speaker; 15" coaxial. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: SCPC or Sedat receiver for old time radio project; Biddel test instruments. **FOR SALE:** Weston test meters. Henry Weiland, 8946 W. Grantosa Dr., Milwaukee, WI 53225. (414) 463-4681

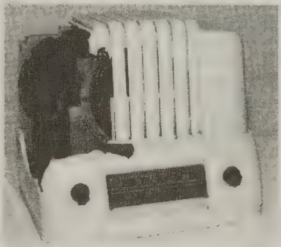
WANTED: McIntosh MI60 amps rack versions of MC60s, Altec 4665 transformers, WE speakers. Vincent Gallo, 532 LaGuardia Pl., #600, New York, NY 10012. (212) 274-0432



WANTED: Early (prewar II) plastic radios. I collect these objects of beauty to enhance my otherwise dull and uneventful life to which I am forever bound by my sad-but-true unworthiness and shortcomings: physical, emotional, and intellectual. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

WANTED: Grille cloth for Freshman Masterpiece tabletop w/integrated speaker. Still looking for that Philco 604. Thanks! Robert Carobene, PO Box 650206, Fresh Meadows, NY 11365. (718) 281-0504. E-mail: robertc894@aol.com

WANTED: Bell & Howell projectors, amps, parts, manuals. Bob Carlson, 815 Third Ave., International Falls, MN 56649. (218) 283-2543. E-mail: bcarlson@northernnet.com



WANTED: DeWald 548 or just the cabinet to repair mine. Also want Panasonic flying saucer TV TR-005 and Emerson 744 radio. John Okolowicz, 624 Cedar Hill Rd., Ambler, PA 19002. (215) 542-1597. E-mail: grillecloth@compuserve.com

WANTED: Speaker, chassis cover, tuning knob for RCA-140, 141, 240; GE-K80 etc. Steven Thompson, 504 Cardell Cir., Mableton, GA 30126. (770) 819-1743

WANTED: Pay $100 for good matching mahogany petal for Burns speaker! Rick Ammon, 1249 Solstice Ln., Fort Collins, CO 80525-1239. (970) 221-4001. E-mail: wireless@bamboo.verinet.com

WANTED: Zenith 50-70 series: tuning condenser, 1st audio transformer or complete chassis, desperate! Charles A. Days, PO Box 80205, S. Dartmouth, MA 02748-0205. (508) 979-3758. E-mail: radiodaz@ici.net; http://www.ici.net/cust_pages/radiodaz/radiodaz.html

WANTED: Books by Merle Duston, The Duston Radio Library series. Richard Dzick, 31572 Juniper Ln., Warren, MI 48093. (810) 268-4671. E-mail: n8mqu@aol.com

FOR SALE: Galaxy 300, PSA 300 console; WRL TC6A; Mohican; SB100; SB600; SB610; Viking two; BC312F. Bill Coolahan, 1450 Miami Dr. NE, Cedar Rapids, IA 52402-2933. (319) 393-8075

FOR SALE: UREI limiter/compressors, Model LA-4, this is a pair in rack mount, with silver panels. These are mint units used very little in private studio – $1,400. Dick Igou, 8435 Twisted Oaks, Garden Ridge, TX 78266. (210) 651-9049, after 5 pm CST. Fax: (210) 651-4259, 24 hrs.

FOR SALE: Admiral Y2013 wh. w/c exc – $35. Toshiba 8TM41 gray w/c, exc – $65. Arvin 61R48 chestnut, exc – $35. Ross micro RE-210 wh. w/c mint – $55. Zenith Royal 400 blk, exc – $55. Sony ICF 2010 LN – $275. Pioneer reverb amp, exc – $25. Science Fair crystal radio kit – $10. Mini-labs crystal radio kit – $10. Hitachi TH627R blk w/c LN – $35. Pr. 7027 tubes, exc – $30. 812A tube, gc – $10. 807 tube, gc – $7. All + shipping. Gus Nianouris, 1316 Richard St., Miamisburg, OH 45342. (937) 866-1865

FOR SALE: Atwater Kent 217 cathedral, cabinet needs work – $200 plus UPS. Parting out Zenith 7S633. Charles Harper, 2000 Jackstown Rd., Paris, KY 40361. (606) 484-9393

FOR SALE: Crosley Pup, exc cond w/bottom plate and paper – $350. Bendix Deco Bakelite Mod 0526A, no knobs – $45. RCA power amp Mod MI4288J – $150. Altec 731C horn driver, new – $65. RCA mike preamp BA11A, no tubes – $35. RCA integrated amp mod?; pair 6L6s, nice cage with RCA emblem – $100. Gray 16" tonearm – $20. Some N.O.S. mike parts for RCA. SE-1000B two step amp, WE – $1,200. Craig Smith, 2845 Greggin Dr., Roanoke, VA 24012. (540) 977-5424. E-mail: ip500@roanoke.infi.net

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FOR SALE: Exact reproduction glass dials for Sentinel 284 Catalins. Send $40 ppd. Radioart, PO Box 102, Centerbrook, CT 06409

FOR SALE: Tiny televisions. Sony 4-203UW, 1965, cheap! – $60. Symphonic mini TV TPS-5050, 1969 – $50. Eric Wrobbel, 20802 Exhibit Ct., Woodland Hills, CA 91367. (818) 884-2282. E-mail: ewrobbel@aol.com

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FOR SALE: Butterscotch pinwheel knob for DeWald – $45. (20) nixe tubes – $20. Westinghouse Vocarola horn – $275. Ring for Music Master horn – $15. Ron McClellan, 201 W. Boot Rd., West Chester, PA 19380. (610) 363-5637

FOR SALE: Rare Packard Bell squashed cathedral radio with maplewood cabinet, twin AM dials, good – $40 plus shipping. M.B. Gaskins, 227 Risen Ave., Campbellsville, KY 42718. (502) 465-3755

FOR SALE: 1920s triode amplifiers; pair Samson PAM 16, one Samson PAM 19, one unknown. Hal Kravig, 2615 Juneway Dr., Memphis, TN 38134. (901) 388-2857. Fax: (901) 388-5102

FOR SALE: Original sales literature, brochures, catalogs: 1950s to 1970s: Grundig, Sony, Panasonic. Recorders: Magnecord, Magnasync, Berlant/Concertone, Telefunken-Magnetophon: EICO, Gray Research amplifiers/tonearms, Sherwood Electronic Labs amplifiers, Norelco recorders and speakers: Hallicrafters: Zenith Cobramatic 4-speed record changer – $25. 1930s portable radios battery eliminator – $15. Ellsworth O. Johnson, 364 S. Coeur d'Alene St., Spokane, WA 99204-1063. (509) 838-2161. E-mail: eojohnsonww2@worldnet.att.net

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FOR SALE: H.H. Scott Models 296 amp, 4100 preamp, 4120 amp. Also looking for service manuals on 4100, 4120, 4312, 399. Jeff Kyle, 4268 FM 36 S, Caddo Mills, TX 75135. (903) 527-4196

FOR SALE: Hallicrafters Mod SX62A, untested, lights up, vg – $150. RCA 103, mint – $165. Gordon Van Allen, 5822 Knollwood Dr., Ashtabula, OH 44004. Ph/fax: (440) 998-0723

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P.S. There are more gift ideas from A.R.C. on page 43.

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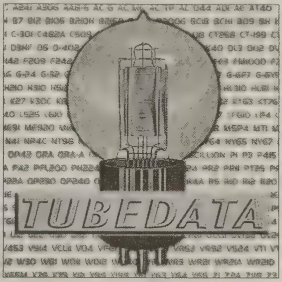
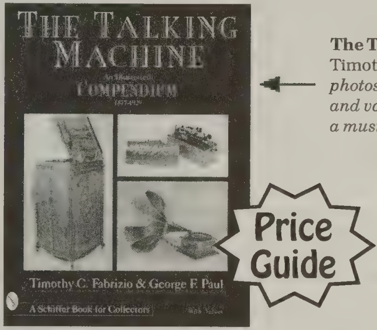


Tube Data by Åke Holm. *The most comprehensive list of vacuum tubes and data in an easy-to-use program for PC's. Covers over 27,000 tubes from several countries. Includes receiving and transmitting tubes. Lists tube function, manufacturer, year of introduction, variations, technical data and a pinning diagram. 3 ½" diskette for IBM compatible computers.* — **$39.95**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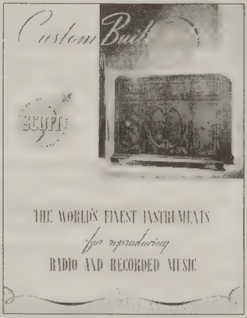
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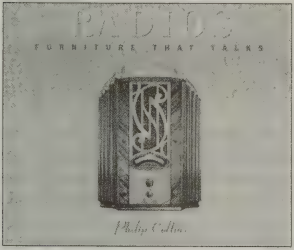
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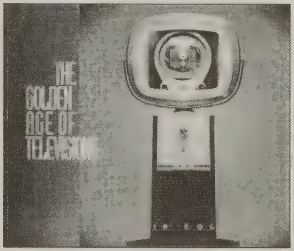
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FOR SALE: Genelex tubes: (4+1) KT-66 – $500 all. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: Radiola 18, RCA T64, Espey 581, Pacific 25, Jefferson Bell; all need work – $125 for all. PU only. Norbert Wokasch, 3312 W. Bijou, Colorado Springs, CO 80904. (719) 633-5661

FOR SALE: (25) French table radios, reverse mirror dials, wood, multibands, refurbished; Pathe, Ducretet/Thompson, Radiola, Sonora Excellence, these are rare and spectacular. Stewart Struzer, 3210 Dow St., Pompano Beach, FL 33062. (954) 782-7487. E-mail: stews@hotmail.com

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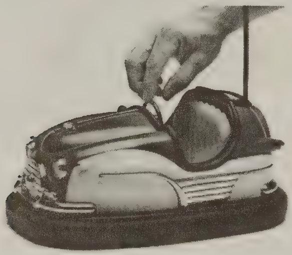

FOR SALE: Bumper car radios, N.I.B., excellent detail, rich colors, working headlight/taillights, 14"L x 9"W x 7"H. Black rubber parts, lots of chrome, steering wheel controls volume; red/white AM/FM, reduced to $75; or teal/white, AM/FM/cassette – $99. Ray Palmer, N7MFG, 6523 S. Roosevelt St., Tempe, AZ 85283. (602) 831-1149. E-mail: bumpercar@asu.edu

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FOR SALE: Zenith 805 cathedral – $225. Zenith 5-S-127 tombstone – $200. RCA R7 tombstone – $100. Crosley 4C1, (Stein, Vol. 1), Model 41 – $60. Truetone 612, needs dial cover – $40. Philco 16B cathedral cabinet or will buy parts set – $50. Gary Watkins, 8006 Greenwald, Belton, MO 64012. (816) 322-0773

FOR SALE: Ten 50s, 60s, AM clock radios, tube type with C-D dial markings – $150. Alnor pyrometer 400 deg. with adaptors, instructions, cased – $40. Amptran CT-50, multiply Amprobe 100 to 5000 amps, case and instructions – $50. All plus UPS. Carl Hackenson, 31 Hixson Farm Rd., Sharon, MA 02067. (617) 784-8834

FOR SALE: Three small tube caddies, Tung-Sol, Admiral, Raytheon – $20 ea. Ford car radios, 1953, 1954 – $30 ea. Western Electric M9A volt-ohmeter – $25. Bendix Scintilla 11-1767 primary condenser tester – $40. Magnavox remote control for old B&W TV – $20. Plastic radios, all working: Motorola C/R, C16G20, light green – $15. RCA 3-X-521 – $15. Motorola 62X120, ivory – $35. Zenith H615 w/handle – $35. GE 476 Musaphonic, ivory – $25. Coral phonograph, portable 78, red – $25. GE A-52 chassis, speaker, knobs, escutcheon – $40. Zenith Cobra changer, 40s – $30. Box of original Realistic and other brands of CB service manuals – BO. Classic Radio & Television, 541 Riverside Dr., Box 61, Augusta, ME 04330. (207) 623-2059

FOR SALE: C.I.T.C. DeForest xset. Sony TR-6 and TR-72. Mercury Super 10. Marconiphone British Type A xset, life-size Marconi bust, U.K. Addison 5 red, green, wood. Addison 2. RCA Little Nipper, yellow, 9TX. Dewald A502. A.R. Nolf, 539 Kastelic Pl., Burlington, Ontario, Canada L7N 3S9. (905) 333-4557

FOR SALE: Columbia Records Panorama Travel Program books w/slides & recordings by personalities of the era, circa 1961, (8) books – $25. Six-inch stock Toshiba service data – $10. Lafayette HE-20d citizens band transceiver, needs repaint – $15. Admiral 5D32 R/RP – $15. Almo Radio Co. Xmas Flyers, 8 pp., sixties? – $8 ea. Eico oscilloscope Model 460, no leads – $20. TV-FM sweep generator Model 368 – $10. Plus shipping. **WANTED:** Chassis for Apex 9 cathedral GM 250, Westinghouse WR-14, Majestic 363, Crosley 1137. Brian Kurrle, 2222 Nodleigh Ter., Jarrettsville, MD 21084. (410) 692-0450; (410) 592-6202, work

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FOR SALE: To reference our Zenith models, order our 60-page 11x17 Zenith Brochure Book for – $28.95 ppd. The Radio Professors' new Zenith book – $28. Dictograph Radio Loudspeaker – $225. Black Fada 260B – $200. Emerson porcelain sign, "Dealer Emerson Radio Sales Service, 22 x 34, blue and yellow, double-sided, no chips – $350. Philco Intercontinental AM-shortwave – $100. Silvertone 6320 – $125. Excellent maroon Crosley Duette – $245. Black Silvertone 4500A – $125. Zenith 9S344 shutter dial chairside, excellent original. Motorola wireless turntable – $100. Coronado cathedral – $195. Brown Mirrortone Bakelite – $100; Zenith Clipper Trans-Oceanics: 7G605 sailboat; 7G605 bomber. Most other Trans-Oceanics available. Call. Original finish Philco cathedrals: 20 – $225; 70 – $295; 90 – $450. Zenith LH cathedral; nice original Zenith 6S128 Deco tombstone; N.O.S. Majestic chrome grilles for Models 161 – $120 and 463 – $100. Philco Mystery control – $85. Rider's manuals. Zenith consoles: Aviatrix; 15S373; 15U272; 15U270; 15U269; 12H689; 15S372; 12A58; 12A57; 12S569; 12S568; 12S471; 12U158; 12S370; 12S371; 12S265; 12S266; 12S267; 12S268; 11S474; 10S470; 10S491 phono; 10S153; 10S155; 10S156; 10S160; 9S54; 9S55; 9S262; 9S367; 8S154; 8S463 (5808); 8S359; 7S261 bookcase; 6S362; 6S306 w/phono; 7S363, 7S364; 7S260; 7S258; 775B; 410 and many others. Zenith chairsides: 5S338; 6S248; 6S341; 9S244; 9S242 Zephyr; 9S344; 6S147 Zephyr; 8S451; 7S342; 6S203 with phono; 5S338; 6S241 bar radio; 6S239. Others available: Zenith, Stromberg, GE, RCA, Fada, Philco. We can and do ship consoles anywhere and we do it right. Zenith table models: 4K535; 5S29; 5S127; 6S528; 7S432; LH, 210 and 805 cathedrals; 6D311; 6D029; 6D630; 6S321; 6S322; 6D525; 6S532; 6S229; 6S330; 7S323; 6S439; 6V27; 6S27; 6S128; 5S220; 6S222; 6S532; 8S443; 10S130; 12S445; 8S531; 288; 711; 807 and many others, call. All radios unrestored electrically unless noted. Shipping extra unless noted. Satisfaction guaranteed, highest quality possible assured. Send for our free parts and supply catalog. Visiting Minneapolis? Visit our store, Great Northern Antiques, 5159 Bloomington Ave., just five minutes from the airport. We accept Visa, Discover and MasterCard. Alan Jesperson/Mike Emery, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489 or fax only: (612) 727-1908, ans. mach. after 4 rings. 8 am to 6 pm 7 days. E-mail: mte612@aol.com

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FOR SALE: Old manuals for audio, radio, ham & test equipment. Send make and model number. Merry Christmas. Walt Belsito, 149 Southmayd Rd., Waterbury, CT 06705. (203) 756-6376

FOR SALE: Transistor and tube radios. I goofed and left my telephone no. off last month's ad, p. 32. They are all available. Please call if interested. Lloyd "Bud" Noel, 494 Clark St., Galesburg, IL 61401. (309) 342-2825

WANTED: Western Electric double button carbon microphone in Model 1B case. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: Emerson 229, 231, 196 or any with a cone-shaped dial. Will buy whole radio or cabinet only in any condition. Also need Air King wood tombstone Model 100 or 120 in any condition. Also need a dial for Fada 700. Brad Jones, 4801 Crofton Springs Ct., Greensboro, NC 27407. (910) 547-1919

WANTED: Philco 21, 70 or 90 cathedral, in excellent working and physical condition. John Pelham, W1JA, 1185 Bend Creek Trl., Suwanee, GA 30024. (770) 476-0473. E-mail: jpelham@mindspring.com

WANTED: Radiola 17 lamp hood, Heathkit IM-28/IM-18 VTVM probe, Heathkit IT-28 capacitor checker, Bendix 646A dial glass. Dave DeFord, 2841 Mandarin Meadows Dr. S, Jacksonville, FL 32223. (904) 260-9418. E-mail: DDeford1@aol.com

WANTED: GE C-400 midget radios, any colors; chassis, dial, pointer for Fada 5f60. David Katz, 1 First Canadian Pl., Ste. 920, PO Box 359, Toronto, Ontario, Canada M5X 1E1. (416) 869-8429. E-mail: dkatz@tor.lafleurbrown.ca

WANTED: Hallicrafters 5-T, S-29, S-38, or S-39 receivers. Scott Balderston, 707 Watch Island Reach, Chesapeake, VA 23320. (757) 549-0449. E-mail: Scottswim@msn.com

WANTED: Heathkit AM-1 antenna impedance meter or similar. Manual wanted also. Jim Clifford, KE4DSP, 108 Bayfield Dr., Brandon, FL 33511. (813) 654-7531. E-mail: j.c.clifford@juno.com

WANTED: Unbuilt Heathkits and Knight-kits. Gene Peroni, Box 58003, Philadelphia, PA 19102. (215) 665-6182

WANTED: Hallicrafters SR2000, SR750, SR500, HT41, RA46 speaker. Jimmy Weaver, KB5WLB, 1007 Bridges, Wynne, AR 72396. (870) 238-8328

WANTED: Fairbanks Morse console Model 9C or 12B preferred. Charles E. Patterson, 2621 Sweetwater Rd., SP#33, National City, CA 91950. (619) 475-7141

WANTED: Zenith 8S661, Philco 39-17 console. Collins 51J4, 51S1. State condition and price. Herman Schnur, 3205 Brick Kiln Rd., Greenville, NC 27858. (919) 752-2264

WANTED: RCA Selectavision video discs. Craig Roberts, 132 Northway, Greenbelt, MD 20770. (301) 474-3506

WANTED: Several brands defunct but complete VCR units for parts. L. Luke, LB 415, Coshocton, OH 43812

WANTED: Will pay top dollar for Zenith Trans-Oceanic R-7000, 12-band in excellent condition. R. Cassone, 465 Shrub Rd., Bristol, CT 06010. (860) 585-3552

WANTED: Zenith 7S529, 7S633, 6S632, 6S532, 12-tone buttons. Carl Duck, PO Box 1931, Hallandale, FL 33008. (305) 949-2644

WANTED: HV capacitors .01 to .05 uF at 10KV or better. Malcolm Green, 28 South Hempstead Rd., Westerville, OH 43081. (614) 891-1095

WANTED: Original detector arm with ball and knob for Howe xtal set. John O'Briant, 3120 Hartford Dr., Bettendorf, IA 52722. (319) 332-7749

WANTED: Federal 61 in good condition. Jim Berg, 4261 Wilcox Rd., Box A, Northport, WA 99157. (509) 732-4047

WANTED: Crystal sets, crystal radio kits, toy crystal sets and pocket crystal radios. Erwin Macho, Ambrosweg 17/A/8, A-1230 Vienna, Austria

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FOR SALE: Radiola 60 chassis WT – $50 or buy your case. Beautiful Midland mini recorder, all metal – $65. Zenette 4-G800 – $30. B&O Beomaster w/remote – $150. Heath t/table – $10. Eico tuner – $10. B&K 707 – $45. Early GE pancake fan motor – BO. Simpson parts meter, works – $10. # transistor novelties, write. **WANTED:** Sony 4" TVs, Panasonic 1" sets or parts; Sony 8-301 parts; Zenith #5619 (6S27) chassis. Thanks! Michael Hagan, 428 Sharron Dr., Woodway, TX 76712. (254) 776-4760

FOR SALE: Quality tubes, audio, radio, new, used, you name it! Send wants LSASE. Partial list sent. Over 87,000 tubes priced right! Joe Pratt, Tube Central, 53 Liberty St., Clark, NJ 07066-1805

FOR SALE: AK 9 breadboard – $1,250. AK 708 cathedral, excellent original condition, working – $450. Leonard Aquino, 2 Somerset Ln., Putnam Valley, NY 10579. (914) 528-6857, after 7 pm EST

FOR SALE: Hallicrafters SX-110 – $110. National NC-60 Special – $65. Heathkit oscilloscope, Model 10-21 – $45 plus P&H. Stephen L. Bonino, 107 Georgetown Rd., Glassboro, NJ 08028. (609) 881-0244

FOR SALE: Silvertone portable #7224, brown leatherette SW & BC, vg, looks like Zenith T-O – $100. Gilbert Simpson, 18 Beechwood Dr., Ansonio, CT 06401. (203) 734-4085

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FOR SALE: Toy Crystal Radios, price guide in full color; American Shirt-Pocket Transistor Radios, price guide in full color – $19.95 ea. (includes postage). Eric Wrobbel, Dept. A, 20802 Exhibit Ct., Woodland Hills, CA 91367. (818) 884-2282. E-mail: ewrobbel@aol.com

FOR SALE: Hallicrafters, Hammarlund, National, Collins, Johnson, Drake, RME, Millen, Gonset, B&W, others. Free list. Richard Prester, 131 Ridge Rd., West Milford, NJ 07480. (973) 728-2454

FOR SALE: Arvin 540T – $40. American Bosch 6 as is – $35. GE 67 Urea – $25. Operatone 833 30s TRF – $40. Philco 37-630 – $60. Zenith 219 – $70. Others, regular & novelty transistors. LSASE state preference. H.B. McMahan, 313 W. Shaw, Tyler, TX 75701-3029. Phone/fax: (903) 593-5433. E-mail: hbmc@juno.com

FOR SALE: 1923 Garod Type V neutrodyne receiver, serial 1260, less tubes, front panel & knobs good condition – $60. Hallicrafters radio model TW1000 – $90. Arvin metal radio Model 842T – $65. Sencore cricket transistor tester – $60. Heathkit electronic switch kit Model ID-101, unassembled – $30. Elbert Marshall, Rt. 2, Box 239, Hillsville, VA 24343. (540) 398-2283

FOR SALE: Crosley 817 Super 8 – $65. Hallicrafters S40 – $65. GE HJ624 Deco – $70. Bendix 626A – $35. Stewart-Warner 206FA (Stein 1, p. 190) – $55. Mantola R-150, wood – $30. Dennis Schrank, 3129 S. Quincy Ave., Milwaukee, WI 53207. (414) 744-3374

FOR SALE: Scott LK-30 amplifier – $75. Dynaco PAT-44 preamplifier and Dynaco stereo 120 amplifier – $150. Thomas Peters, PO Box 3925, McAllen, TX 78502

FOR SALE: Harman Kardon Citation Eleven preamp built in equalizer, walnut cabinet, solid-state – $150. Bernard Bank, 303 DeVoe Ave., Yonkers, NY 10705-2709. (914) 476-5933

FOR SALE: Reproduction dial glass, postpaid. DeWald Lyre – $45. Addison 5 green or brown – $40. Sentinel 284NI available January – $45. RCA 75X17 black oriental – $225. Kadette Jewel, brown tan marbleized grille, hairlines, reproduction button trim – $250. Crosley color radio, orange – $200; avocado – $150. **WANTED:** Addison 2 white trim, Crosley 1465 yellow buttons, Kadette Topper. David Brenner, 71 Burdette Rd., Atlanta, GA 30327. (404) 257-1665

FOR SALE/TRADE: Philco 20 cathedral – $225. Early Gernsback repair manual – $42. **WANTED:** Telegraph keys & unusual speakers. Jerry Finamore, 1374 Stafore Dr., Bethlehem, PA 18017-1633. (610) 861-4660. Fax: (610) 861-0166

REPLACEMENT DRIVERS FOR ATWATER KENT HORNS

Driver w/housing for Model M & Pooley horns (this assembly replaces all pot metal) $65.75 + $4.75 s&h

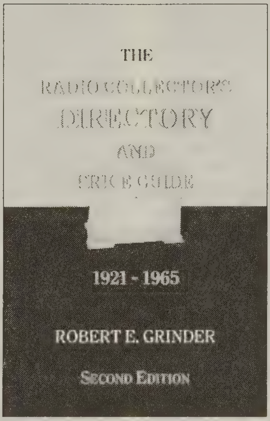
Driver w/repair ring for Models G, H, & L (repair ring replaces threads in base) $59.85 + $4.75 s&h

All drivers above include diaphragm, gaskets, spacer, and spring. All parts are also sold separately. Send SASE for price list.

M. Harold Ezzone, 4901 Park Drive
West Des Moines, IA 50265 — (515) 221-9447

The Radio Collector's Directory and Price Guide, 1921-1965, 2nd Ed.

by Robert E. Grinder



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DIRECTORY
AND
PRICE GUIDE

1921 - 1965

ROBERT E. GRINDER

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Fax: (508) 371-7129 Web: http://www.antiqueradio.com/

(Oct-96)

FOR SALE/TRADE: Collins N.I.B. microphone Mod M-20 lapel Lavalier type – $300. Collins MM-1 microphone, a classic – $150. Two RCA Mod 74B microphones in excellent working condition – $450 ea. RCA 90B – $1,325. The last remaining RCA Mod 88 microphone used during Nazi war crime trials in Nuremburg, Germany, authenticated – $850. Two RCA microphone bases 91B & 91C. Call: Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Communication receivers: Hammarlund HQ129X, Hallicrafters S85, S40B or trade for Zenith radios. Frank J. Manziano, 82 Monhegon Ave., Oakland, NJ 07436. (201) 337-5263

FOR SALE/TRADE: Blabber Mouth radio, N.I.B. – $40. Blabber Mouse radio, N.I.B. – $25. McIntosh MR-66 (parts or repair) – $35. Hallicrafters S-38D, NR – $10. Regency MR-10, nice – $20. Marantz 1200B, NR – $45. Beta tapes – $1 ea. Audio Service Manuals 1970s to 1990s, sold as sets only, reasonable – Call. Magazines (Radio-TV Experimenter, Popular Electronics, etc.) SASE. Dave Minchella, KE2GE, 80 Campfire Rd. N, Henrietta, NY 14467. (716) 359-3337

FOR SALE: (13) issues of Modern Electric etc., dated 1906 to 1915 – BO. Pair Altec 422 type speakers, like new, recently reconed – $70 ea. R. Haworth, 112 Tilford Rd., Somerdale, NJ 08083. (609) 783-4175

BOXED CLASSIFIED ADS WORK! This is a boxed classified ad. These ads can be run more than two months. See the inside back cover for details. Boxed ad deadline: the 1st of the month.

WANTED: Tube Hi-Fi components & commercial amplifiers by Marantz, McIntosh, Tannoy, Acrosound, Brook, Brociner, Fairchild, Hadley and others. Also want Western Electric theater amplifiers, speakers, tubes, & microphones. Richard Sharisky, PO Box 521, Belmont, MA 02178. Phone (617) 484-5784. Fax (617) 489-6592

WANTED: Vintage Electronic Music Synthesizers and modules by the following manufacturers, especially the listed models. **Aires** Modular, System III. **ARP** 2500. **Buchia** Modular, 100, 400. **E-mu** Modular. **EML Electrocomp** 100, 101, 200. **EMS** Synthi A, Synthi AKS, VCS3. **Korg** Modular PS-3100, PS-3200, PS-3300. **Moog** Theramin, Modular, Series 15, 35, 55. **Oberheim** SEM modules, 2-, 4- & 8-Voice Systems. **Paia** Modular 2700, 4700. **Roland** Modular Systems 100, 700. **Serge** Modulars, System 79. **Synton** Modular System. Call and surprise me; make my day! John V. Terrey, 498 Cross St., Carlisle, MA 01741. (508) 369-9770. Fax: (508) 371-7129.

FOR SALE: Aristocrat yellow, mint – $800. Fada 652, cracked – $325. Rare Fada 652 wood, prototype vgnal [?] coated – $850. Belmont 6D111 – $135. Emerson 520 – $125. Northern Electric 5000 – $125. Zenith 5R312 – $195. Emerson violin – $500. Motorola 5X1U – $110; 53H – $110. Delco R1151 – $110. RCA 75X17 oriental – $135. Stromberg-Carlson 761 – $50. Philco 49-901, hairline – $165. Arvin 440 red – $60. Crosley E 20 GN – $60. Philco 40-135 – $45; 40-140 – $65. Continental 1600 – $90. Transistors: Emerson 888's – $25 - 110; Regency TR-6 – $85; Global GR 711 – $40 & $125; Emerson 849 – $100; 838 green – $95; GE P15, w/case charger – $65. **WANTED:** Kadette, Detrola, Fada, Catalin, Beetle, Plaskon transistors. Send $1 + LSASE fall photo list. Bob Masterson, Box 172, Valley Cottage, NY 10989. (914) 353-3151. E-mail: BMradio@aol.com

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FOR SALE: N.O.S. tubes: 6E5 – $18; 5AR4 – $22; 6CA7/EL34 – $26; 45 ST – $45; 6A5G – $20. Good used: WE559/403B – $12; WE 349A, untested – $20; IL6 – $10; 2A3 – $20; 6A3 – $27; 201A, 301A – $7; UX or UY 199 – $12; Brass base 201As – $12; 7199 – $8; 171A – $20. All octal metal and GT tubes – 50¢ ea. Send or call wants. Evan J. Chase, 108 Cass St., Swanton, OH 43558. (419) 826-3776

FOR SALE: Atlas horn speaker – $75. Radiola 33 console, plays, case trim needs work – $95. Emerson 547A, white, clean, plays – $50. Gary Nitkin, 102 Long Highway, Little Compton, RI 02837. (401) 635-2816

FOR SALE: CB radio parts, tubes, misc. from shop closed 1987. Send needs and LSASE. George Cortelyou, 1409 Madison NE, Albuquerque, NM 87110. (505) 255-3347

FOR SALE: Large pilot console circa 1936, contains a Garrard phonograph, beautiful condition, everything is original and working – $200. Matthew Hinson, 1663 Bridge St., Merrick, NY 11566. (516) 379-3601

FOR SALE: Emerson table TV with radio, 7-inch screen, works well – $75. Zenith 6S439 – $150. Zenith 807 tombstone – $150. Airline wood table model with telephone dial and tuning eye – $60. Airline midget metal red – $45. Zenith Crest grey piece broken from handle – $40. Champion spark plug transistor AM/FM, without stand – $50. Vance Rayburn, 2718 Homestead Rd., Madison, WI 53711. (608) 274-3002

FOR SALE: Yaesu FP-757HD power supply/speaker, mint – $185. HP-330B distortion analyzer, w/manual – $125 or swap for UCS-300 or UCS-$400. Have components: panel meters, capacitors, manuals, other accumulated stuff. SASE for list. Shipping extra. **WANTED:** Yaesu FP-800 power supply. George Goldstone, W8AP, 1010 Burnham, Bloomfield Hills, MI 48304. (248) 647-3399

WANTED: Hallicrafters Models S-2, S-33, S-35, EP-132, HT-2, HT-3, HT-8, HT-12, HT-14, and R-8 console speakers. For descriptions see my book "Radios By Hallicrafters." Chuck Dachis, "The Hallicrafter Collector," 4500 Russell Drive, Austin, Texas 78745, 512-443-5027

WANTED, ANY CONDITION: RDP, Hallicrafters S-35, Panoramic Radio Spectroscope, Squires-Sanders SS-IV panadaptors; also schematics, manuals, ads, articles, technical data on them. John A. Benyo, 25 Schley St., Garfield, NJ 07026

WANTED: Western Electric Type 244A tube, Western Electric Type 205E tube. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: Heath W-3M. Gary Kaufman, 29 Kewadin Rd., Waban, MA 02168. (617) 630-9806. E-mail: gkaufman@bu.edu

WANTED: Outside horn phonographs, Victrolas, parts, literature, wood or metal horns. Anyone with this stuff lying around, or know of, call me collect. John Yanalavitch, 153-19 75 Ave., Apt. 2G, Flushing, NY 11367. (718) 268-6413

WANTED: 1951 Crosley 11-305U or 11-301U, colored plastic small portables. David Spivey, #1 Rocky Valley Cove, Little Rock, AR 72212. (800) 505-0621, days

WANTED: Zenith Trans-Oceanics L-600 or G/H500 Series, clean condition. Also Royal 700 parts radio or tuning capacitor for same. Charlie Georgalis, 70 Spring St., Hyannis, MA 02601. (508) 778-6997

WANTED: A working Sony KV-4000 color TV, 1981. Alvin Tarr, 312 Highwood Ave., Leonia, NJ 07605. E-mail: HTarr72122@aol.com

WANTED: Panasonic TR-001, TR-1000, CT-101, etc. 1.5 inch televisions. Top prices paid. Jack Eagers, 10858 Green Mountain Cir., Columbia, MD 21044. (410) 997-2312

WANTED: Looking for a Mac 60 or Mac 30, must have good transformers, cosmetics not real important, no junk! Desperately need vintage microphone stands. Other wants: RCA memob, chairs, curtains, signs, etc. 50's/60's and Allied and Lafayette catalogs, cold war era stuff; weird wire recorders and, last, but not least, Espey table sets and literature. Merry Christmas from all of the staff at Kremer Kraft! Ward Kremer, 5807 Papaya Dr., Ft. Pierce, FL 34982. Ph/fax: (561) 468-7732. E-mail: WKremer798@aol.com

WANTED: Bakelite or wood table radios, no cracks or missing parts, under $40. Ken Ruggiero, 6919 Deborah Ln., Niagara Falls, NY 14304. E-mail: Kenrugg@ibm.net

WANTED: Zenith radios 1930's, 1940's, in fair to poor condition. Parts sets and chassis. James S. Fisher, 344 Harrison Ave., Manville, NJ 08835. (908) 725-7476

WANTED: Appliances from my father's old company; namely with the Mitchell, Mitchell, Mitchell brand name. Lee Mitchell, The Mitchell Collector, 175 E. Delaware, 8209, Chicago, IL 60611. (800) TOYS-TOYS (869-7869) or (312) 337-3123

WANTED: To buy a copy of the print Ace Radio Repair by Bill Bell. Robert Stapleford, 1800 S.W. Randolph Ave., Topeka, KS 66604-3158

ELECTRON TUBES: Over 1 Million Tubes in Stock. Buy & Sell. Daily Electronics, 10914 NE 39th St. #B-6, Vancouver, WA 98682. 800-346-6667. 360-896-8856. 360-896-5476, fax

WANTED: Broadcast-type **MICROPHONES**. Early carbon, condenser, ribbons, etc. Cash or trade. James Steele, P.O. Box 620, Kingsland, GA 31548-0620. (912) 729-2242. E-mail: JSteele@k-bay106.com. Microphone collectors Internet site: http://www.k-bay106.com/mics.htm.

WANTED: Following Raytheon RK Series tubes: RK15, RK16, RK25A, RK25B, RK30, RK32, RK41, RK44, RK45, RK46, RK53, RK56, RK58, RK63A, RK100. John H. Walker, Jr., 16112 W. 125th St., Olathe, KS 66062. (913) 782-6455. E-mail: johnh.walker@alliedsignal.com

WANTED: Western Electric transformers and parts, any models and condition. Jun Mizuno, 933 Portswood Cir., San Jose, CA 95120. Tel./fax: (408) 268-4016. E-mail: jmizuno@usa.net

WANTED: RCA BK11A microphone, working or not. Lloyd Nesbitt, 2840 Alabama St., La Crescenta, CA 91214. (818) 248-5855. E-mail: lloyd@thegrid.net

WANTED: RCA 8 transistor Model RGG22 with leatherette and ivory case. Curt Brohard, 1417 Court St., Alameda, CA 94501. (510) 521-4299. E-mail: ctbro@aol.com

WANTED: Buddy Boy chassis and speaker. James F. Crews, HCR 63, Box 4, Arbovale, WV 24915. (304) 456-4798. E-mail: fcrews@nrao.edu

WANTED: Chassis for Mir-Ray mirrored radio. Fred Schultz, 1246 Lincolnway S, Ligonier, IN 46767. (219) 894-3779, 9-5, fax after 5

WANTED: Deco radios; Catalins, Fada, Emerson, Detrola, Kadette, Garod, Motorola, Tom Thumb, Air King. Ross Litrenta, PO Box 41, Eastchester, NY 10709-0041. Tel./fax: (914) 337-7176

WANTED: JVC RC-838 MKII radio/cassette, JVC-FR6600, Sony, Panasonic, Grundig, Philips, etc. Multiband radios. Khushpal Singh, 611 Plumas St., Yuba City, CA 95991. (916) 671-3486. Fax: (916) 671-3496, 9am-6pm or (916) 671-4607, after 8 pm Pacific time

WANTED: Music Master 21" bell horn, can trade early radio items of equal value. Sev Dvorsky, 380 Morrison Dr., Pittsburgh, PA 15216. (412) 344-6633

WANTED: Beetle plastic radios from the 1930s. Nobody pays more! Mark Alzapiedi, 13 Fitch Farm Ln., Sterling, MA 01564. (508) 368-7223

WANTED: Philco Beam Of Light radio phonograph: Model 42-1003, 42-620 or 41-620. Mel George, PO Box 24934, San Jose, CA 95154. (408) 267-0697

WANTED: Squires-Sanders receivers. Harry Weber, 4845 W. 107th St., Oak Lawn, IL 60453-5252

WANTED: 1930 to 1942 Police Radio communciations equipment. Any 6 VDC mobile communication equipment. Raymond Miller, 953 N. 1st St., Albemarle, NC 28001. (704) 982-0228

MILLEN ORIGINAL PARTS, manuals, equipment. New and used. Bought and sold. James Millen Electronic Equipment Mfg., PO Box 4215, Andover, MA 01810-0814. (508) 975-2711. Fax at (508) 474-8949

VINTAGE MANUALS AVAILABLE for amateur, audio, and radio-related equipment. Quality is number one customer priority. Satisfaction guaranteed. Send three $.32 stamps for catalog. Pete Markavage, **THE MANUAL MAN**, 27 Walling St., Sayreville, NJ 08872-1818. (732) 238-8964

FOR SALE: Zenith Trans-Oceanics original, complete, working, 100% cosmetically restored to showpiece condition: 8G005YTZ1 – $195; H-500 – $190; Y600 – $190; 3000-1 – $195. Frank J. Manziano, 82 Monhegon Ave., Oakland, NJ 07436. (201) 337-5263

FOR SALE: Zenith T-O 1000D in leather case – $50. **WANTED:** Info schematic for Crosley Model 1-N Little Fella. Also Philco 20 cab. Ed DeCann, Box 543, Osakis, MN 56360. (320) 859-4282

FOR SALE: Ware Neutrodyne Type T, no cabinet – $150. Rider Radio Manuals, Volume I thru XXII – $450. Frank Johnson, 530 Elford Rd., Fairless Hills, PA 19030-3624. (215) 943-8295

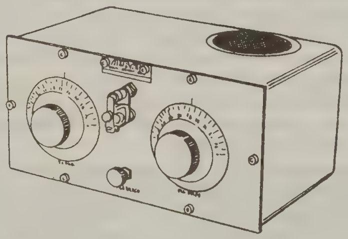
FOR SALE: Dumont RA346 lattice frame model – $75. Sonora RWFU-238 small ivory Bakelite phonograph – $35. John Koop, 48 Wheelbarrow Ln., Wantagh, NY 11793. (516) 731-6711

FOR SALE: Heathkit AM/FM tuner w/matching amplifier & manual – $75. Wristwatch, has RCA & Nipper (w/ phono) logos on face, LCD, stretch band – $75. All mint plus shipping. Maureen Martin, 1407 Memory Ln., Lutz, FL 33549. (813) 949-1835

FOR SALE: Siltronix 1011D 10-11 meter S.S.B. radio with freq. counter – $175. Bank K 520B transistor tester – $75. Knight kit tube tester, mint w/box – $40. Lewol leather radio – $75. Gonset Civil Defense VHF transceiver – $75. A.T.E.C. receiver w/glassy Bakelite panel – $120. Kevin and Kathy Moe, 932 Adams St., Ottawa, IL 61350. (815) 433-4598

FOR SALE: Philco 54C – $60. Halson 05 – $60. Emerson 578A – $45. Westinghouse (Canadian) 683 – $60. Westinghouse WR27 – $60. Airline 84-BR-1502B, small Bakelite – $60. Emerson 610A, white plastic – $45. Emerson U4B, Bakelite Deco (similar to BA199), with back, no cracks – $100. Fada-Fadalette 106 – $90. Emerson 157, white Plaskon, hairline towards bottom back – $100. Please add shipping. Thanx. Dave Masterson, 145 Harbor Pond Dr., Apt. 7A, Meriden, Ct 06450. (203) 634-4170

DONN'S ANTIQUE RADIOS — IF you have nice quality Philco radios for sale, please call. Also buying some Crosleys and FADAs. Donn Frederick, 8402 Hwy. 30 SE, Chatfield, MN 55923. (507) 867-4868



WANTED: Pre-1926 radios by **AMRAD**. Also, Amrad radio parts, accessories, and literature. Richard Sharisky, PO Box 521, Belmont, MA 02178. (617) 484-5784

Victrola Repair Service: Windup phonograph repairs, parts, springs, needles via U.P.S. Rod Lauman, 19 Cliff St., St. Johnsbury, VT 05819. (800) 239-4188, eves.

FOR SALE: Holiday photo list $1 + LSASE 2 stamps. **WANTED:** Kadette, Detrola, Fada, Catalin, Beetle, Plaskon transistors. Bob Masterson, Box 172, Valley Cottage, NY 10989. (914) 353-3151. E-mail: BMradio@aol.com

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FOR SALE: Over (1,000) new assorted parts; 1/4w resistors (carbon & metal film), rectifiers, diodes, zeners (500mW), long leads – $5 per 1,000 (includes shipping). Dave Minchella, KE2GE, 80 Campfire Rd. N, Henrietta, NY 14467. (716) 359-3337

FOR SALE: Peanut tube radios are the latest addition to Radio-O-Rama. Check out http://www.worldwidewatches.com and select Radio-O-Rama from the list. The Dallas convention was great. I bought way too many radios. Mike Stute, 2140 Sequoyah Way, Carrollton, TX 75006. (972) 242-1271

FOR SALE: Edison banner front home cycl phono with large horn and floor crane – $750. 1890 Swiss cyl. music box, comb rough, rest good, plays – $450. 1890 Gem roller organ with 10 cobs, plays well – $450. Philco #91 cathedral, restored – $400. Zenith T-O 5G40, works, hums – $75. 16" RCA transcription disks, bands – $5 ea. Grundig 98H/U 3- tube, loud – $40. 1930 oval base cradlephone, WE – $75. (10) Edison DD records, VF – $30. Guild Town Crier, exc, plays exc – $125. Philco #70 cathedral, restored – $250. Philco #20 cathedral, restored – $225. Suitcase for cyl. records, orig., 24 pegs – $60. Zenith #805 cathedral – $200. 1920s WE petal horn mike – $90. Victor orthophonic portable – $90. Quack medical device, nice box – $45. Jahan L. Acciavatti, PO Box 806, Upton, MA 01568. (508) 476-3229

FOR SALE: Taking bids on 1933 Rider's complete Perpetual Troubleshooters Manual. Over 2,880 pages, 12 pounds in weight. Jackson Model 710 selenium diode tester with (2) selenium diodes – $30. H. Eltz Repair, 4265 S. Bladen Ave., Juniata, NE 68955. (402) 756-6393

FOR SALE: Table radios: Emud 196, made in Western Germany, very good – $45. GE T2205A, solid-state, very good, works – $20. Hallicrafters S-120, good, works – $45. Motorola 51X17, good – $20. RCA 9X571, very good, works – $50. Silvertone 7905, good – $25. Spirit of St. Louis field radio, N.I.B. – $50. + UPS. Sound Remedy, 331 Virginia Ave., Collingswood, NJ 08108. (609) 869-0238, leave message

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FOR SALE: Motorola 58R11 – $25. Regency Bakelite TV booster – $15. Westinghouse clock radio Mod H 784L5 – $10. Robert Parke, 504 Essex St., Gloucester City, NJ 08030-1015. (609) 742-8221

ANTIQUE RADIO RESTORATION Satisfaction – Guaranteed. Ray Sanders, 342 South Third, Cottage Grove, OR 97424. 541-942-0866

PHONO NEEDLES & CARTRIDGES: (Ceramic & magnetic) What do you need? Send SASE. J.J. Papovich, 53 Magnolia Ave., Pitman, NJ 08071. (609) 582-8279

WANTED: CROSLEY 63TA Victory. Ted Barham, 1419 Old Wilmington Rd., Hockessin, DE 19707. (302) 234-0189, before 9 pm. E-mail: tab3@aol.com

WANTED: Zenith Stratosphere. Grant Steger, 627 N. Main St., Juneau, WI 53039. (920) 386-2575

WANTED: Western Electric Model 60A amplifier, any condition or completeness. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: 2-tube midget AC/DC radios. Such radios probably include, but are not limited to, Arvin #40, Autocrat 91-1, 91-W or 40-1; Crosley 2C1, DeWald 411, Kadette F.-Kadette Jr., Zephyr IMP. Bob Allington, Isco, Inc., 4700 Superior St., Lincoln, NE 68504. (402) 464-0231, days. Fax: (402) 464-4543. E-mail: boba@isco.com

WANTED: Catalin parts, paying $20-$100 per knob; grilles $100; handles $50+; chassis $100-$200. Chassis peak-top Garrard. Ray Carroll, 158 Oakwood Dr., Wayne, NJ 07470. (973) 696-1149

WANTED: Red tuning knob for Airline Rudolph novelty radio, lamp hood for Radiola 17. Ed Anderson, 1919 37th St., Somerset, WI 54025

WANTED: Will pay $125 for AK 55C chassis & speaker, good condition and prefer working. Bill Skaggs, 36 Stanton Hall Dr., Destrahan, LA 70047. (504) 764-9732

WANTED: Escutcheon for Majestic Model 50 and power supply for American Bosch Model 29. Paul Cowlishaw, 1424 25th St., Ogden, UT 84401

WANTED: National VX501, Heathkit HFT9, SP99. Rob West, 27490 Strathmoor, Warren, MI 48092-3040. (810) 751-7271

WANTED: UM35 tuning eye tube and data for the tube. Arthur Christianson, 2250 Windsor Dr., Merritt Island, FL 32952. (407) 453-7287

WANTED: Western Electric, late 20's or early 30's, three-meter ammeter panel. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: Crosley 587, prefer decent condition, not junker. Marty Dzik, 412 Gregory St., Schererville, IN 46375. (219) 322-4104. E-mail: martyd@surfnetinc.com

WANTED: Narrow based Vibroplex bug. McElroy bug. Early Collins items. R-390A front panel. Brian Roberts, 130 Tara Dr., Fombell, PA 16123. (412) 758-2688

WANTED: Plastic dial frame and push-button frame for General Electric console Model H-77. Jeff Brooks, 512 W. Park St., Lakeland, FL 33803-1232

WANTED: Tubes, 5881, 12AX7, 5AR4, 6L6GC, 7027, 6550, 7591, 6973. Jensen Alnico speakers, good/blown. John McGrath, 29 Ripley Rd., Belmont, MA 02178. (617) 484-0515, eves. Fax: (617) 484-6180

WANTED: Western Electric loudspeaking telephone, any models and condition. Jun Mizuno, 933 Portswood Cir., San Jose, CA 95120. Tel/fax: (408) 268-4016. E-mail: jmizuno@usa.net

WANTED: Collins Radio Company Catalogs, promotional literature, manuals 1933-1983. Jim Stitzinger, 23800 Via Irana, Valencia, CA 91355. 1-805-259-2011

FOR SALE: New tubes #10's; VT25; 6550. Many others too numerous to mention. Harold Bramstedt, 6104 Egg Lake Rd., Hugo, MN 55038. (612) 429-9397. Fax: (612) 429-0292

WANTED: Westinghouse WL-461, Taylor 833, DeForest 433 through 440 tubes, duds OK. John H. Walker, Jr., 16112 W. 125th St., Olathe, KS 66062. (913) 782-6455. E-mail: johnh.walker@alliedsignal.com

WANTED: Pilot Wasp or Universal, junker OK. **FOR SALE:** Zenith Royal 500, plays – $40 ppd. Joseph Kelber, KB8GLD, 503 Scranton Ave., Scranton, KS 66537. (785) 793-2323

WANTED: Channel Master 6515A, Conar M500, micro radios. Ross, Lloyd's, Standard & similar, condition vg. Tony Stalnaker, WA4LPJ, 901 W. Main St., Thomaston, GA 30286

WANTED: Zenith Trans-Oceanics, 7G605, R7000, 1000-1, 2000 and wavemagnets & cables for 8G005 & H500, must be working and in vg or excellent condition. Rich Cassone, 465 Shrub Rd., Bristol, CT 06010. (860) 585-3552

WANTED: Dial scale for 1949 coke cooler, repro OK, but must be glass. Eugen Ladisky, 175 W. 76th St., New York, NY 10023. (212) 496-9827

WANTED/FOR SALE: Mini mics, wire and tape recorders. Jon Golden, Box 205, Waban, MA 02168. (617) 332-5460. E-mail: 3dman@ziplink.net

WANTED: Bendix Model 853 and 953 radios. Radios need not work. Aaron Mall, 903 Dropleaf Ct., Baltimore, MD 21208. (410) 486-8813

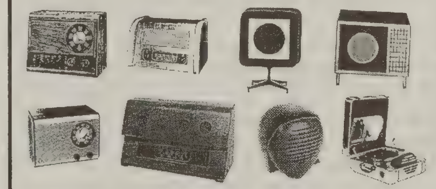
WANTED: Chassis for the following radios: AK 217, Stewart-Warner 1235. Jerry Tynan, 1184 Rudi Ln., Golden, CO 80403. (303) 642-0553. E-mail: Jtynan@worldnet.att.net

WANTED: Philco 70. Also wanted color TVs from the sixties. Dwight & Rebecca Moody, 2128 Deep River Rd., High Point, NC 27265

WANTED: Scrolled wood speaker grille or pattern of, for Zenith Model 52. Ross Hoff, 1510 Rolling Meadows, Vermilion, OH 44089. (440) 967-7591

WANTED: Arvin and Motorola radios, console or table, working or not. Bill Bickers, 1114 Robert Dr., Cochran, GA 31014. (912) 934-8866

WANTED: AK 208, 255, 273D, 312, 412, 608, 648, 710, or literature. Jeff Aulik, 1708 Parkview Ave., Rockford, IL 61107. (815) 399-1902



WANTED: TELE-TONES radios model # 117, 117A wood with grill holes or slots, 1946-50 EMERSON wood radios with front speaker perforations, # 503, 507, 513, 517, 519, 535, etc. RCA VICTOR 78 record players in ALUMINUM CASE or parts. STEPHENS floor speakers 1956-64 wooden cabinet on metal legs with formica on front. Also WANT plastic ZENITH Radio Nurse and boxes or parts. Steven Cabella / mod. I. 500 Red Hill Ave. San Anselmo, CA 94960 415-461-6810

FOR SALE: (15) E.H. Scott consoles for sale, including a pointer dial Philharmonic in a Chippendale. **FOR TRADE:** E.H. Scott FM converter for FM models, high fidelity speakers for the Phantom. Call for info. We accept Visa, MasterCard and Discover. Alan Jesperson, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489, 8 am to 8 pm 7 days. Fax only: (612) 727-1908

FOR SALE: Hickok 288AX AM/FM universal crystal control hi-output signal generator – $75. Precision E-400 sweep signal generator 2 to 480 megahertz – $40. Jackson 658-1 dynamic tube tester, needs work – $30. Heathkit 0-5 scope – $50. 3" scope – $20. All plus UPS. Onerio L. Sabetto, W8PIU, 1717 Burgess Rd., Cleveland, OH 44112-1103. (216) 481-1036

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FOR SALE/TRADE: Radiolamp (more ornate than in Stein), Gecophone #2 and other crystal sets, blue Venus Globe, enormous straight-necked copper horn, AWA Radiolette. **WANTED:** Philco 71B, Echophone S5. Please find my other advert in A.R.C. and look at classics on my temporary Website: http://www.geocities.com/siliconvalley/peaks/6357/wade.html. Simon Wade, Finchcroft, Broadwater Down, Tunbridge Wells, Kent TN2 5PE, United Kingdom. Telefax: (44) 1892 543505

FOR SALE: Majestic Treasure Chest, 1933, needs repair – $95. Magnavox R3B (early) horn only – $32. AK 35 with E3 speaker, nice – $135. Philco's first transistor radio, T7-126, exc – $60. Emerson Pioneer 888, gc – $48. Hickok 532 tube tester, needs repair – $35. Tubes: $3 ea., tested: 24A, 39/44, 43, 77, 78, 79. Most types in stock, call. Discount electrolytic and mylar capacitors, schematics, send SASE for flyer or call. Antique Audio, 253 Blanche St., Plymouth, MI 48170. (313) 207-2346

FOR SALE: Atwater Kent 9C breadboard #4066, restored, good audios – $1,100. AK20 Deluxe, good – $125. Music Master 140, good – $200. RCA 621 7" TV, with good picture tube – $400. 7JP4 tube, good – $75. Ozarka S-1, exc – $175. Philco 17RX w/16RX spkr – $225. Gilfillan GN-5, good – $100. Fada 160 – $75. .0047 disc ceramic caps @ 6 kV – $1 ea./min. order $10. Don Patterson, 636 Cambridge Rd., Augusta, GA 30909. (706) 738-7227. E-mail: dpatters@mail.mcg.edu

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FOR SALE: GE H-624 wood Deco push-button radio – $65. Comprex cute Deco medical device – $35. Jon Hall, 253 Spring Oaks Ln., Ruckersville, VA 22968. (804) 985-3827, 8:30-10:30 pm. Fax: (804) 984-3299. E-mail: jon@halls.com

FOR SALE: Scott Lauret in beautiful Oxford cabinet/refinished, works great, 18-tube, 15" speaker, medium chrome – $850, Offers. Magnavox 51B, beautiful cabinet, super sound, w/microphone & turntable – $195. Fairbanks Morris 12-A, refinished, bad coil – $275. Midwest 16-tube 1947 console power tune – $195. Crosley "The Pal" w/Queen Ann legs – Offer. **WANTED:** Zenith Stratosphere, Sparton 1867, Philco 38-690 or cabinet. Grant Steger, 627 N. Main, Juneau, WI 53039. (920) 386-2575, 5-9 pm

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FOR SALE: Fisher FM 500C receiver, wooden cone, both operation & service manuals – $170. Fisher AM-FM Model 90R tuner, Micro-Ray tuning, wooden case – $95. B&K Model 607 solid-state tube tester, complete setup guide & instruction manual – $45. David Bogen pair 20-watt mono block amplifiers – $85. Fisher 800B receiver, not working chassis, with operating & service manuals – $35. Ed Ellis, 1559 S.W. 23rd Ter., Deerfield Beach, FL 33442. (954) 421-9999

FOR SALE: EICO 667 tube tester w/man. – $175. EICO 324 signal generator w/man. – $50. EICO 379 sine/square wave generator – $45. EICO 221 VTVM – $20. EICO 460 5-inch oscilloscope – $50. EICO 369 sweep/marker generator – $35. Precision E200C signal gen. – $35. Weston 660 VOM – $10. Heathkit B&H 5-inch scope IO-4540 – $50. Heathkit B&H design console w/power supply – $25. Heathkit C-3 condenser checker – $20. Heathkit AV-3 audio VTVM – $35. Heathkit IG-37 FM stereo gen. – $55. RCA WV-98C VTVM – $20. Heathkit BE-2 battery eliminator 5-7 1/2 V. @ 10/15A – $45. RF signal generator 100Kc to 25/75 Mc. – $35. Zenith Radio (1939) 8S463 – $300. Philco 46-1226 (1946) radio/phono console – $85. Philco 38-3 (1938) radio console – $150. (2) 60-watt tube power amps w/6550's – $125 ea. Heathkit IT-5230 color/B&W picture tube tester/rejuvenator – $35. Sylvania sign, wood, gold on black, 9" x 45" – $25. All prices plus UPS. Bob Lynn, 26 E. Orchard St., Somerville, NJ 08876. (908) 685-9070

FOR SALE: N.I.B. 12BH7, V0LF6, 45, 10, 6LF6, 6KD6, 6BK4. Louis L. Veltre, 643A Sherwood Ct., Lakehurst, NJ 08733-4207. (908) 657-7592

FOR SALE: Edison C-4 radio-phonograph, works – $525. Call for more info. Michael Devecka, 206 Park St., Montclair, NJ 07042. (973) 655-9730

FOR SALE: Dumont RA346 – $95. GEs: H510 white urea – $95; 521F – $30; 542 – $30. Mantola 835 – $40. Philco 37-630 – $60. H.B. McMahan, 313 W. Shaw, Tyler, TX 75701. (903) 593-5433

FOR SALE: Crystal sets: Little Gem (tripod set similar to Martian) – $750; Pandora, taller version – $225; Heathkit – $100; Midget blk. – $135; Este, round German – $175; Minus, French – $250; Wecco gem – $100; Radisco Cryston, partitioned case with phones – $385; Ericsson, large early version – $375; Radiolette – $275; J.K. Corp., similar to Victor – $275; Stowell, vertical slide tuning – $200; Federal Jr. – $325; Aetna – $275; Howe – $145; Metro Jr. – $125; Racon Coherer – $225; ICA topnotch – $185; ESS, Swedish – $400; Radio-Henriett – $250. Will consider offers on any of above. Shipping extra. Norm Hertz, 4904 Amboy Rd., Staten Island, NY 10312. (718) 967-1025

FOR SALE: Zenith G-515W table clock alarm radio with CD's and crest, mint – $25. Richard Zintek, 11954 U.S. 31, Grand Haven, MI 49417. (616) 842-2211

WANTED: Addison 2, butterscotch bullet, defects OK. Don Moody, 1600-M Glenwood Ave., Raleigh, NC 27608. (919) 821-3530. E-mail: Don21480@aol.com

WANTED: Emerson Mae West, Philco 70 speaker, European 4V octal and 4-pin tubes. Jiri Placek, 60 Applewood Ln., Boyertown, PA 19512. (610) 367-0861

WANTED: Crosley 601 bandbox knobs, GE G-50 teledial assembly. Mark McKeown, 4810 Indiana, Golden, CO 80403. (303) 278-3908. E-mail: mmckeown@tde.com

WANTED: EL-37 N.O.S. or good used, Pilot amp AA-410(A), reliable tube tester. Bill South, 642 S. 2nd St., Apt. 1110, Louisville, KY 40202. (502) 581-0580

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WANTED: Looking for a nice DeForest DT-800 amplifier. Jim O'Neill, 170 Devon Rd., Delaware, OH 43015. (614) 363-3682

WANTED: Audio/stereo gear, only in mint and in original, good working condition (Fisher, Scott etc). Offers to: Manfred Immler, Frankfurter Strasse 12, D-58095 Hagen, Germany. Tel: ++49 233129705. E-mail: dorian.a.immler@ruhr-uni-bochum.de

WANTED: Working, complete Wavemagnet for Zenith 7G605 bomber, need good back for Zenith 7S633. Thanks. Gerry Harmon, 10704 Callanish Park Dr., Austin, TX 78750. (512) 219-0499, after 7:30 Central and wknds

WANTED: Stephens True Sonic 500 ohm 15-inch coaxial speaker. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

WANTED: Radiola 60 carved foot, RCA 110K-2 speaker, Baker-Smith G The Enchanter driver. Chad Paxton, 6382 Badger Lake Ave., San Diego, CA 92119. (619) 463-6959

WANTED: Pink or tan Zenith Royal R500's, plastic TVs, JVC, etc. Novelties, grandfather clock radios. Barry Kasindorf, 1 Heights Rd., Franklin, MA 02028-3411. E-mail: bkasindorf@norfolk-county.com

WANTED: Philco 71 chassis, need oscillator coil. Pay your price. Gordon Wilson, 11108-50 Ave., Edmonton, Alberta, Canada T6H 0H9. (403) 434-6257

WANTED: Model 32KSR teletype machine in running cond. Also copy of teletype bulletin 309B Vol. 1. Wayne Letourneau, PO Box 62, Wannaska, MN 56761. (218) 425-7826

WANTED: Cabinet for Philco 20 cathedral up to $75. Sencore TC130 tube tester manuals/knob datasheet. Damon Vandehey, 17207 S.W. Siler Ridge Ln., Aloha, OR 97007. (503) 590-5118

WANTED: Zenith Stratosphere, empty cabinet for same and other high tube count radios. Also Zenith and other pre-1950 advertising. Chrome Capehart record changer. We will buy or trade. Alan Jesperson, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489. E-mail: mte612@aol.com

WANTED: Motorola walkie-talkies, chargers, and accessories. Tracy Hino, WH6HR, 60 N. Beretania St., #2310, Honolulu, HI 96817. (808) 528-1020

WANTED: Winchester wanted. Top dollar paid for Winchester radios and Winchester related items. Donald Daggett, 918 Casey Cove Dr., Nokomis, FL 34275. (941) 484-7371. E-mail: wc2e@webtv.com

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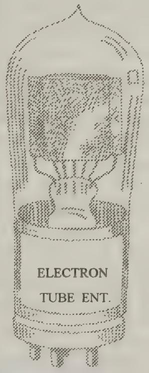

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FOR SALE/TRADE: The following Collins equipment: Collins 5151 receiver _– $975; 30LI – $600; S-line WE includes: 75-S3, 32-S3, power supply, 312B-4 control station, DL-1 dummy load, original MM1 microphone, all manuals and cables, complete crystal pack – $2,750; 75-A4 w/two filters, 4 to 1 ratio vernier dial, Serial #4300+ – $1,200. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Erla 3-dial, 5-tube w/3 Erla circled condensers @10 – $150. Browning Drake 2-dial @9 – $150. Sparton Mod 5-15, a/o, n/d, w/6 tubes @10 – $150. Ultratone spkr pops, looks like Peerless dome, metal @9 – $110. Emerson Mod 156 T/S, small, a/o @9 – $140. Mantola Mod 397-1 a/o, 1 crack, 1 chip, white – $95. Raytheon Mod T2500 a/o, has 8 extra trans. @9 – $90. Tester, Superior Inst. Mod 770, w/org. case – $35. Plus P&S. Bernie Samek, 113 Old Palmer Rd., Brimfield, MA 01010. (413) 245-7174. Fax: 0441

FOR SALE: Variometer in wood box – $10. Vernier drive w/4-gang tuning capacitor in metal box – $15. 3" dial/knobs – $1. LSASE or stamp or e-mail for tubes, radios, novelties, books, manuals, miscellaneous list to: Stan Lopes, KB6LGV, 1201-74 Monument Blvd., Concord, CA 94520. (510) 825-6865. E-mail: splopes@aol.com

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FOR SALE: E.H. Scott Phantom Deluxe AM-FM in Devonshire cabinet, very good chrome, electrically restored – $3,950. E.H. Scott 800B6 w/escutcheon, PS, spkr, very good chrome – $500. Masco commercial sound amp, 9-tube Mod MA25N – $200. Grundig Mod RTV320 rcvr, excellent cond, AM-FM-SW – $400. Zenith Trans-Oceanic H-500, vgc, needs filter – $75. Several power xfmrs, N.O.S. tubes, used tubes – Reasonable. NRI sig. tracer w/manual – $75. Hallicrafters rcvr Mod S-129 – $100. GE Mod K-63 cathedral, excellent, restored – $450. Just bought various test equipment and rcvrs from estate; too numerous to list this ad. Call for what you are looking for, will list in next month's ad. Thanks to all, and God bless you all. Richard R. Bruning, 1276 S. Seminary St., Galesburg, IL 61401. Ph/fax: (309) 344-1968

FOR SALE/TRADE: My WE 7-A with (3) good 216-A's for your Zenith R-7000. Phil Mac Arthur, 701 Spanish Main Dr., #71, Summerland Key, FL 33042. (305) 745-1967

FOR SALE: RCA Victor 9-Y-51 junk salvage parts radio, 45 rpm record player set – $10. Donald Sochurek, W191, S7500 Richdorf Dr., Muskego, WI 53150. (414) 679-0212

FOR SALE: Alnor 400 F. pyrometer, cased – $40. Amptran CT-50 multiply Amprobe to 5000 amps, cased – $40. Carl Hackenson, 31 Hixson Farm Rd., Sharon, MA 02067. (617) 784-8834

FOR SALE: Vacuum tubes, all kinds, (20,000) on hand. Send want list & SASE for prompt response. Tom Ivas, 2932 W. 99th St., Evergreen Park, IL 60805. Ph/fax: (708) 423-0528. E-mail: tivas@ix.netcom.com

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FOR SALE/TRADE: Heathkit SB401 and SB300 set – $475. Plus many Hallicrafters, National Hammarlund, and other receivers and transmitters. Call for your needs. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: N.I.B. Dbl plate 2A3 (1) Sylvania – $25. N.I.B. 6267/EF86 (5) Bugle Boy, (1) Mullard – $8 ea. All plus shipping. Jim Robinson, K1ZJW, 14 Herring Run Rd., E. Sandwich, MA 02537. (508) 833-2222

FOR SALE: Abbott DK-3 2 1/2 meter transceiver – $50. ARRL Handbooks, 1938 – $30; 1960, 1963 – $20 ea.; 1970, 1971, 1975, 1976, 1977 – $15 ea. Angelo Pallotta, 1367 D'Angelo Dr., N. Tonawanda, NY 14120. (716) 695-0329

FOR SALE: Kensington portable AM/45 rpm record player, not working, repairable – $20 + shipping. Louis L. D'Antuono, 8802 Ridge Blvd., Brooklyn, NY 11209. (718) 748-9612

FOR SALE: Sprague N.O.S. Twist Lok can electrolytics. Many combinations mmfd's and WVDC's. LSASE. Nick Terrence, 12 Eleanor Pl., Huntington, NY 11743. E-mail: nterrenc@suffolk.lib.ny.us

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FOR SALE/TRADE: 1940 Emerson Aristocrat 400, green, Catalin, excellent – $750. **WANTED:** Jensen Alnico 5, PM, Concert, and special design loudspeakers. Peter F. DeGregorio, 45 Moritz Pl., Fairfield, CT 06430-3527. (203) 331-9155. E-mail: PDeGreg690@aol.com or http://www.play-it-again.com/

FOR SALE: Coca-Cola cooler point of purchase, professionally restored – $700. Might consider trade for Detrola Pee Wee or Catalin. Also a Roamer bullet, light green – $150. And a rainbow blue Hammertone – $200. Maurice Giroux, 559 Hudon, Laval, Quebec, Canada H7P 2L4. (514) 963-1601. E-mail: giroux1@total.net

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FOR SALE: Zenith H723Z2, AM/FM, e-mail photo available – $25 plus UPS. Don Michel, PO Box 667, Anna, IL 62906. (618) 833-7500. E-mail: import@midwest.net

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FOR SALE: Fada 1001 wood table model – $45. Philco 48-214, wood table model – $30. Jim Ligouri, 7 Sycamore Ct., Atkinson, NH 03811. (603) 362-5712. E-mail: Jjligouri@aol.com

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FOR SALE: Voice of Music tape recorder, similar July '97 A.R.C. page 5 – $75 OBO. QST's library bound, 1940/49 – $40/yr. Mike Grimes, K5MLG, 3805 Appomattox Cir., Plano, TX 75023. (972) 867-6373

FOR SALE: Philco 80 Jr., plays, needs filters, needs cabinet work – $95. Philcos: 40-130 – $45; 41-250 – $120; GE H-632, nice cabinet, poor dial – $50. Farnsworth BT-54, nice wood detailing – $50. Hallicrafters power supply P-26, military-type telescoping antenna AN-75, receiver/transmitter RT-505/PRC-25 by Bristol Elect. Prices neg. Send want lists. Wilbur Gilroy, PO Box 459, Lake Winola, PA 18625. (717) 378-2508. E-mail: wlbrg@aol.com

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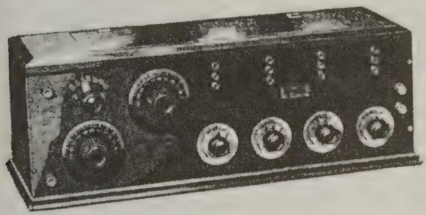
FOR SALE: M.I.B. novelty field radio (same as A.R.C. Sept. 1997, p. 58) – $70 + UPS. Rod Galloway, 2220 Woodbury Rd., Melbourne, FL 32935. (407) 254-0280

FOR SALE: Zenith 808 tombstone – $95. Majestic 92 empty highboy cabinet, vg – $45 PU. Buzz Miller, 725 Mt. Rock Rd., Carlisle, PA 17013. (717) 776-3279

FOR SALE/TRADE: Speakers: Crosley Super Musicone – $175; black Celluloid GGH – $275 ea.; AK Mod H horn – $200. Gram-a-phone, highly polished brass horn made by O-Coon in N.Y.C. – $95. Vogue pedestal black and Irish green 20", circle-shaped w/horn inside – $550. Like nu Magnavox R-2-C w/18" bell horn – $650. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: N.O.S. electronic parts, tubes, flybacks, yokes, audio and 75Ω coax cable. Also, Sams, Riders, Amrad cabinet with speaker, aircraft receiver R-278B/GR, Chelsea radio. **WANTED:** Radio transcriptions, Commodores, drivers, software and other manufacturers items for Commodore. Chuck Marty, W8KKU, PO Box 342, Manchester, NH 03105. (603) 645-1610, after 8



FOR SALE: Midwest Miraco Model MW, 4-tube receiver of Cincinnati, Ohio. Has lift-open door on top for access. Midwest's top-of-the-line set for 1923. Reconditioned to like-new condition! – $225. **WANTED:** Still looking for horn speakers - like to purchase odd-looking and unusual speakers. Please give me a call if you have one (or two), I'd love to talk. Thanks. Dave Crocker, 4B Beechwood Point Dr., Mashpee, MA 02649. (508) 477-1578

FOR SALE: AR-2a speakers, pair – $95. Rider's manuals: Vol. II – $45; Vol. IV – $25; Vol. V – $20; Vol. VI – $20; Volumes VII, VIII, IX, X, XI, XII – $15 ea. (some volumes w/National binders). Gernsback Official Radio Service Manual, 1930 – $45. Servicing the Modern Car Radio, 1946 – $25. Rider Automatic Record Changers and Recorders, 1941 – $25. Sams Color TV training course, 1961 – $15. Ultra Hi-Fi Techniques, Brainerd, et al, 1942 – $12. Sams GE service manual, 1965 – $12. Dick Desjarlais, Dick's Radio Days, Box 629, Littleton, MA 01460. (978) 486-9018

FOR SALE: Parting out the following: Atwater Kent 40 (no power supply lid). General Electric S-22, have cabinet with good grille cloth and good speaker, other parts from chassis, inquire (no power transformer). Also parting out Wilcox-Gay 7A5 (see E.O.R., p. 193), have cabinet, good green and yellow dial glass, no speaker - inquire about other parts from this radio. **WANTED:** Atwater Kent 60 chassis, restorable tombstone cabinet for RCA T6-1. Ed Martin, 485 Benwood Hill Rd., Benwood, WV 26031-1336. E-mail: ebm@prodigy.net

FOR SALE: SASE for catalogs, books, manuals. Free relay rack, p/up only. H.N. Felder, K3RPY, 7517 Granada Dr., Bethesda, MD 20817

FOR SALE: N.O.S. N.I.B. Nuvistors: (2) 6CW4, (2) 6D54, (5) 6DV4 – $40 all, ppd. Jim Farago, 4017 42nd Ave. S, Minneapolis, MN 55406-3528. (612) 722-0708

FOR SALE: RCA TV 8-PT-7030, RCA Catalin 66X8, with crack, wrong knobs. Used 171A – $22. 80ST, 6JE6, 380, N.O.S. 7189, 8BQ5, 71A, 6CA7. Pete Putra, 1429 Lawndale Ave., Racine, WI 53403. (414) 632-2543

FOR SALE: Cheap, good stuff, no room, bad back: Scott 800 B, in excellent Chippendale, haze/rust, complete, works – Make Offer; Metrodyne 5 Neutrodyne from 20's, needs work – $55; RCA maroon portable plastic broadcast/shortwave, 36QP1 – $30; Blaupunkt Santos Bakelite, nice – $35; Zenith 500s, maroon and white – Offers; Heath A2 mono, nice, 6V6 outs – $30; U-Test-M, store tube checker, nice works – Offers; set Bede plug-in meters four prong for DC sets of 20s – Offers. Don't be bashful, make offer on anything or trade for 50's/60's. Allied, Lafayette catalogs, cold war era stuff, weird wire recorders, desperately need old mic stands. Merry Christmas! Ward Kremer, 5807 Papaya Dr., Ft. Pierce, FL 34982. Ph/fax: (561) 468-7732. E-mail: WKremer798@aol.com

FOR SALE/TRADE: Two Western Electric 5-tube rectifiers Mod KS12148, output 300 volts, 0.1 amp continuous – $750/pr. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: Coil winder – $95. N.I.B. tubes, mostly GEs: (23) 6L6GC – $15; (24) 5U4GB/5A54A – $6; (1) 6550 – $35; (5) 5Z3 – $2; (5) 5879 – $3; (4) 927 – $8; (43) 6SJ7 – $1 ea. or 3 for – $2; (3) 6SL7GT – $2.50; (10) 6K6GT – $1.50; (2) OB2 – $1.50; (6) 6J5 – $1; (2) 2D21 – $1; (3) 12SL7GT – $1. Also have over (700) N.I.B. TV tubes – $50 for the lot. WE tubes – $20 ea. (3) 264C, (1) 310B (Altec), (1) 352A no carton. Also have several 5U4Gs in very poor cartons – $7.50 ea. Jewel pattern 199 test set – $50. Post Designmaster drafting set – $20. Keuffel & Esser slide rule in orig. case, nice – $15. Electricians voltage drop slide rule – $3. Joe Svihel, 17227 Co. Rd. 54, Avon, MN 56310. (320) 356-7601

FOR SALE: New Johnson Viking II, Model 122 Hy-Gain multiband verticals, low pass RT filter 52 ohms, pickup only – $950. John Nosbaum, W9BJP, 2743 Wilmette Ave., Wilmette, IL 60091. (847) 256-0547

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FOR SALE/TRADE: Knight R-100/T-150. Viking I. Challenger. BC-348. R-390A. Hallicrafters S-77. RME 4350. RME preselector. SASE. Sam Timberlake, KF4TXQ, PO Box 161, Dadeville, AL 36853-0161. (205) 825-7305. E-mail: stimber@lakemartin.net

CLASSIFIED AD NOTICE

Please check your ads carefully before sending them in. Once ads are received, it is not always possible to refund the amount sent, pull the ad or make changes.

FOR SALE: Viking II with 122 VFO, very good – $250. **WANTED:** Hammarlund HQ-170. Robert Braza, N1PRS, 23 Harvard St., Pawtucket, RI 02860. (401) 723-1603

FOR SALE: Hallicrafters Sky Buddy II – $60. Swan SW-175 80 meter transceiver – $70. Steve Whited, 3637 W. 71st St., Indianapolis, IN 46268. (317) 298-9967

FOR SALE: Beitman TV-Radio Index: 1st thru 1964 – $10 ppd. Jim Farago, 4017 42nd Ave. S, Minneapolis, MN 55406-3528. (612) 722-0708

FOR SALE: Spark transmitter panel, Bakelite hard rubber 52" x 2' and meters, similar to Marconi P4 – Best Offer. Paul Recupero, 265 Union St., Portsmouth, RI 02871-2209. (401) 847-8589

FOR SALE: Record collection, stereo, books, discography. No listing. Pick up only – $5,000 firm. B.K. Reaveau, PO Box 73032, Las Vegas, NV 98170-3032. (702) 795-2613

FOR SALE: Special purpose tubes (3): Cycle-Dyne, made by Amperex and equivalent to their 8179, untested, but filaments OK, tubes appear unused – $100 ea., shipping included. Goldman, 3 Amy Ln., Queensbury, NY 12804

FOR SALE: Teletone wood drum speaker – $40. RCA 100 speaker – $25. AK33 (with tubes) – $50. AK horn Model H – $75. AK 37 – $45. USL battery set with tubes – $90. RCA 140 tombstone – $250. Eveready Mod 1, clean – $90. RCA Radiola 26 with tubes – $450. Howard chairside radio/phono – $75. Guild Town Crier – $75. Emerson 547A marbled Bakelite (cracked) – $45. RCA 2C514 clock radio – $25. Rectox charger – $25. GR bent freq. osc. (audio) – $20. Harman Kardon Trio amp – $35. RCA 10x Bakelite – $25. Emerson streamline 40s portable – $20. Crosley 51, fair – $60. GE 202, Bakelite – $20. Motorola 5P32E, handletop, crack – $10. Precision tube tester – $25. RCA T64 clean – $45. Voltohmyst – $5. Philco 39-8T – $25. Small 40s phono in case – $10. Philco 66 cathedral – $135. Magnavox 5, works in drawer, built-in spkr) has tubes, back missing – $75. AK spkr for 55, bad cone – $20. Bulova portable Mod 246, no tuning knob – $10. Precision signal generator, 200 Series – $5. Hallicrafters S20-R – $75. Telechron Deco wall clock – $25. All items sold untested, as is. UPS extra. Richard Foster, 12 Shawmut Ave., Cochituate, MA 01778. (800) 201-2635, 9-5

FOR SALE: Tubes, radio, TV, 40's thru 50's, SASE for list. Lee C. Dickinson, 401-3 Talcottville Rd., Vernon, CT 06066

FOR SALE/TRADE: Eight transistor pocket radios – $100. Hallicrafters SX110 w/speaker – $250; SX133 w/ speaker – $250; S72R – $200. Sams CB repair books, 1/62 – $10 ea. plus shipping. **WANTED:** Cast iron, porcelain advertising frying pan-shaped ash trays, marked Griswold, Wagner, gas stations, etc. Paying $5 ea. John Williams, Jr., PO Box 1545, Scarborough, ME 04070-1545. (207) 775-4212

FOR SALE: Philco Mod 38-116, sounds great, original finish – $165. Mod 37-675 reconed speaker, new electrolytic cans – $155. Crosley tombstones Mod 635 and 855 – $85 ea. Philco 42-350 – $75. RCA 125 – $75. PU on consoles; shipping extra on table models. J. Martin, 77 Mountain View Rd., Black Mountain, NC 28711. (704) 669-8142

FOR SALE: Zenith 6G601M, H723, 578A, Philco 46-200, Melotone, Majestic 7P420 – Offers Taken. Greg Sheppard, KA3DBG, 4402 Jupiter St., Rockville, MD 20853-3255. (301) 946-6460

FOR SALE/TRADE: Transistor radio collector in your family? Get them Roger Handy's book Made in Japan, for Christmas – $35 ea. or $50/2. Cottonbowl advertising transistor radio – $25. Peerless cathedral speaker, rough – $25. N.I.B. Viscount transistor radio, green! – $35. Box lot (200) used tubes – $50. Antique car radios/ manuals. Shipping extra. Radio sale on my website: http://members.aol.com/dmradios/index.html Updated bi-weekly! **WANTED:** Emerson AX212, Toshiba 8TP90, Crestline 6T330, other colorful transistors. Donald M. Maurer, 29 S. 4th St., Lebanon, PA 17042. (717) 272-2481. E-mail: DMradios@aol.com

FOR SALE: Fada television Model 899, 1940's, similar to RCA 630-TS – $100. Arvin 540-T, small metal, light-green – $55. Large megaphone, from estate of Henry Mancini's godmother – $35. Music Master slant-front, 3-dialer battery set – $90. American Bosch 515, plays, wooden 1930's table set – $38. 1950's first wooden wall-novelty telephone radio – $25. R. Burick, 539 Orchard Ave., #3, Pittsburgh, PA 15202-3137. (412) 732-0607

FOR SALE: Hundreds of antique and collectible radios, many not on previous lists. Also television, transistor, military, novelty radios. Telephones, microphones, earphones. Rare medical, science, aviation, radio books. Test equipment. Ran out of room, sell or trade for Catalins. List, send two-stamp LSASE. John Enigl, Sr., K9HJL, 5425 Cherry Ln., Egg Harbor, WI 54209. (920) 743-3672

FOR SALE: Ampex 440 solid-state stereo recorder – BO. (2) CBS Laboratories broadcast limiters – $250 ea. Voice of Music speaker amplifier with matching extension speaker – $200. **WANTED:** Altec 1567A, 438C or 436C. Also Harman Kardon DA 35 amplifier. Mark Schackow, 307 4th Ave., Lemmon, SD 57638. (605) 374-3424

FOR SALE: 1955 Zenith Bakelite table-top Cobramatic phono-radio, Model R566, chassis 5L08, beautiful condition, perfect Bakelite case – $150. Call: P. Martone, 303 Franklin St., Melrose, MA 02176. (781) 665-4568, before 10 pm EST, please

FOR SALE: Splitdorf, Abbey, battery, very nice – $150. Silvertone tombstone 4422, skyscraper-style, battery – $55. Philco 118 cathedral – $195. Guy Forstrom, PO Box 159, Quinnesec, MI 49876. (906) 774-8116

FOR SALE/TRADE: The finest crystal detectors and receiving sets ever made: Little Gem – $850; Martian 4 – $975; British Western Electric Mod 44001 w/2 tube balanced amp; I-P 200 silicon crystal detector made by Wireless Apparatus Specialty Co. in Boston – $1,125; Clapp-Eastham Feron 1914 on marble base – $675; Coherer-Decoherer, mint condition – $1,125; General Radio – $375. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Unbuilt Heathkit SP-2 preamp kit, complete, less tubes – $250. Eico HF-87 stereo power amp – $300. Radio Craftsman RC-1 tuner and RC-2 amp – $150. Harman Kardon Citation IV stereo preamp, with wood case – $250. Or trade for old microphones. Eric Lenius, PO Box 685, Port Orchard, WA 98366. (360) 871-5921. E-mail: lenius@tscnet.com

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FOR SALE: Kennedy Type 110 receiver, Type 525 amplifier – $2,600. No shipping, no separate sales. Erwin Langlo, WA6PFF, 373 N. Kellogg Ave., Santa Barbara, CA 93111. (805) 964-6512

FOR SALE: N.I.B. tubes, prices each: (4) 5691 red – $30; (3) 5879 – $6; (30) 6080 – $5; (4) 6267 – $15; (2) 7025 – $12; (4) 7027A – $25; (17) 6922 – $10; (3) 7189 – $12; (5) 7199 – $15; (1) ECC83 Telefunken – $15; (2) EMM801 Telefunken – $45; (1) 6KD6 – $30; (4) 6MJ6 – $49; (1) 8950 – $50; (3) 6B4G – $27; (2) V99 – $30; (1) VT25 military 10 – $60. Used tubes each: (1) 10 globe – $50; (2) KT66 Genelex – $33; (2) 6550 Syl. – $30; (1) 5691 red – $18. Tim Rasset, 4109 38th Ave. NW, Mandan, ND 58554. (701) 663-6620

FOR SALE: Bosch #28 with tubes – $50. Weston #639 industrial analyzer in oak case, like new – $150. Rider's Perpetuals, 10 volumes, new – $30 ea. 1954 Seeburg R jukebox, restored – $2,450. N.O.S. tubes: 6LQ6 – $25; 6JB6 – $13. Bob Putnak, 1507 4th St., Monongahela, PA 15063. (412) 258-6236

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50 (GL) RCA	100	50 (GL) RCA	50
205D/E (WE) TB	325	205D/E (WE) TB	225
205F (WE)	125	205F (WE)	75
242 (WE)	100	242 (WE)	50
245 (RCA)	40	245 (RCA)	30
250 (RCA)	200	250 (RCA)	120
252A (WE)	725	252A (WE)	500
274 (WE)	100	274 (WE)	50
276 (WE)	100	276 (WE)	50
284 (WE)	150	284 (WE)	75
300A/B (WE)	650	300A/B (WE)	350
350B (WE)	150	350B (WE)	80

Call, write or fax: George's Antique Radio & TV Repair, 1714A 41st St., North Bergen, NJ 07047. (201) 867-9136. Fax: (201) 867-4044

FOR SALE/TRADE: Radio advertising signs: "Westinghouse Radio", embossed hard plastic red and white w/fluorescent light – $175; Philco emerald green and white banner – $75; Tung-Sol tube, double-sided metal sign – $150; GE Script 12" circle plastic sign – $95. 26" round Zenith neon clock – $950. Limited edition RCA color tube prints, 16 x 20 – $50. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Excellent re-built reproducers. Edison, Victor, play as factory new! Call or write. Early Soundman, 28 Glen Oaks Dr., Rochester, NY 14624

FOR SALE: Catalins: Aristocrats, bullets (3 colors), Temples, Stewart-Warner, Fada 711, DeWald Harp, Red Commander. Also a few damaged sets, cases. Mint 6405 Silvertone midget, (5) Crosley bullseyes, Zenith Crests, refrigeradios, yellow Weltron space-helmet, Setchell-Carlson maroon/white frog-eyes, nice Zenith. H511G Consoletone, N.O.S. Red urea Motorola 56CS/box, Grunow 501 cabinet/chrome grille only, scarce Crosley 127 10-tube cathedral, Atwater-Kent 465 tombstone. Several Emerson 888s, Royal 500s, Sterling LS-4, mint. Catalin red/butterscotch checkers, (3) sets for $50. Numerous S/P sets, poker chip racks, chips, N.O.S. Reddy-Kilowatt 50's enamel pins. Old Majestic radio cast-iron still bank. Ted Chronister, 7073 Carlisle Pike #26, Carlisle, PA 17013. (717) 766-6436

FOR SALE: Palomar noise bridge – $50 and S&H. Len Gardner, 458 Two Mile Creek Rd., Tonawanda, NY 14150. (716) 873-0447

FOR SALE: Tubes, send want list & SASE. No rare ones. Harvey Leners, 5426 S. 185th, Omaha, NE 68135-1716. E-mail: Radiofixx@aol.com

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FOR SALE: Reproduction dial glass ppd. DeWald Lyre – $45. Addison 5, green or brown – $40. Sentinel 284NI, available January – $45. RCA 75X17 black oriental – $225. Kadette Jewel, brown tan marbleized grille, hairlines, reproduction button trim – $250. Crosley color radio, orange – $200; avocado – $150. **WANTED:** Addison 2 white trim, Crosley 1465 yellow buttons, Kadette Topper. David Brenner, 71 Burdette Rd., Atlanta, GA 30327. (404) 257-1665

FOR SALE: Chrome radio (Collins 2, p. 49, top left) – $110. Motorola Dragster, white – $70. Buddy Cartee, 253 Breckenridge Dr., Inman, SC 29349. (864) 578-3532

FOR SALE: (3) 1850A iconoscopes. (2) 5655, (2) 5820 3" image orthicons. (2) 8480 1 1/2" vidicons. (4) 8134 1" vidicons. (2) 7291 ? Machlett vidicons. (2) Amperex 1" vidicons. All are used pulls by an ABC engineer. Open to any offers. Alan Douglas, Box 225, Pocasset, MA 02559

FOR SALE: Crosby 20-tube AM/FM stereo radio chassis – $50. Eico grid dip meter with coils – $25. UPS. Jim Cheeks, 4828 Keniston Ave., Los Angeles, CA 90043. (213) 291-2267

FOR SALE: Tubes: 45-ST used, tested exc (2) – $20 ea.; good (3) – $15 ea. Robert B. Toenjes, 1724 2nd Ave. NW, Waverly, IA 50677. (319) 352-3321

FOR SALE: Large collection. Manuals, catalogues, Rider's. Cathedral, Bakelite, novelty, battery and crystal radios. List – SASE. Vibroplex key – $125. Bunnell slate strap key – $75. Kadette Gothic cabinet – $350. Detrola Pee Wee – $600. Kadette Jr., mint. Bill Rolf, 30131 Center Ridge, Westlake, OH 44145. (216) 871-4547

FOR SALE: Complete dial assembly for Philco 38-7XX – $35. Western Electric 271A – $45. **WANTED:** Chassis for Emerson 25A. Paul Schinnerer, AB6TB, 4353 Rutgers Ave., Long Beach, CA 90808

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FOR SALE: 1947 Transvision Construction manuals, large pictorial, 7" and 10"-12"-15" – $35 ea.; both – $65. Robert Shuck, 10512 Winston Ln., Fishers, IN 46038. (317) 849-0381

FOR SALE: McMurdo Silver Masterpiece power amplifier with gold finish, very good condition, NT – $76. Mervyn Ellsworth, 2309 N. 25 St., Boise, ID 83702. (208) 345-6878

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FOR SALE: Crosley 54G New Buddy, restored – $450. Color radios 1100 Series: orange – $295; lime green – $195; brown (no cracks) – $150. Fisher studio-standard high power receiver 300 watts RMS VU meters with graphic equalizer, includes (4) new Scott 197B speakers – $1,200. Philco 49-603 portable – $75. Philco tombstone 38-60 – $195. Restored: 1936 Philco large tombstone (rare 116B) with 5th band older restoration complete – $795. Silvertone Deco mini console 1720, restored – $185. Tom Thumb portable – $185. Westinghouse Columnair Art Deco, rare power tuning no remote, real nice – $950. Westinghouse tank fan/motor brass/brass 12, nice, original – $350. Robbins/Meyers Triango Deco osc, 1932, nice original – $495. Supro portable tube amp, real clean – $395. Merry Christmas. Don Nordboe, 3131 Ave. A, Council Bluffs, IA 51501-1948. (712) 322-2255

FOR SALE: Globe Chief Model 90-A, 160-10M, lights up, looks good, not tested – $95 shipped. Sylvia K. Thompson, N1WVJ, 33 Lawton Foster Rd. S, Hopkinton, RI 02833. (401) 377-4912

FOR SALE: Singer M-RE2200 45 rpm portable, a/o, clean – $30. Electra no # R-R 3" reels a/o grey-tan – $35. Senior corder M-HIL-4, orig. box & pkg. as sold – $35. RCA 6R 45 rpm recessed arm, two scratches @ 9 – $50. Weltron M-2001 space helmet wht., plays 8 track A/FM, a/o, n/o – $140. Plus P&S. Bernie Samek, 113 Old Palmer Rd., Brimfield, MA 01010. (413) 245-7174. Fax: 0441

FOR SALE: Airline wood WG609, vg – $55. Silvertone 225, vg – $30. Westinghouse H165, vg – $35. Bendix 687A – $35. Philco 46-350 – $50. Philco R/P Bing Crosby 46-1201, vg – $80. RCA 8-X-5D – $20. Mitchell Lullaby 1250, vg – $80. Philco 41-250 – $125. Zenith Consultone black 6D015 – $65. Westinghouse green H809P5 – $30. Motorola 56L2 black – $35. Zenith Deluxe Royal 755, vg – $25. Kensington Deluxe 10-transistor 1657, M.I.B. – $25. Charles Kent, 3822, N.E. 64th Ave., Portland, OR 97213. (503) 281-9335

FOR SALE: Grebe MU1 – $150. 1922 Regen plus audio – $175. Three German sets: Norelco B4X12A/54 – $100; Philco 39-7 – $75; Septre boys – $35. Cathedral spkr – $75. Hallicrafters 5R10 – $75. Ernest Odeneal, 2710 Lee St., Greenville, TX 75401. (903) 455-2113 or 5788

FOR SALE: Knight KN4110 tape recorder. Sentinel farm radio. Many Zenith table radios. Arthur Collatz, N7818 Barker Lake Rd., Winter, WI 54896-7803

FOR SALE: General Elec. #212 – $45. Crosley #52-7A – $50. Philco leather case #D655-123 and E675-124 at – $40 ea. Minerva W119 – $50. Packard Bell #48 – $75 and #602 – $60. General Elec. #M-62 cathedral – $150. Tiffany Tone (H. horn) AM/SW 5-station buttons, 3 knobs – $90. Zenith portable #4F-40 – $40. Jewel #300, cabinet broken – $40. General Elec. #515 – $40. RCA #8-X-542 – $25. Traveler #5015 – $35. Transistors, Zenith Royals #20, #250, #280, #475 and #500 at – $25 ea. RCA #8-X-542 – $25. Sanyo #RP-5115 – $25. Packard Bell cathedral #4, 4 tubes. Taking offers. til Dec. 6. Tube testers, Triumph #440 – $45. B/K #707 – $65. Hickok #540 – $110. All items plus UPS/mail. Charles Boller, 3108 N.W. 91st, Seattle, WA 98117. (206) 782-8318

FOR SALE: Unusual National briefcase radio made by Matsushita Electrical Co. of Japan, BC/SW/small phono, charcoal gray – $140 + S&H; leather Philco radio T9-126, like Trans-Oceanic, BC/6SW bands, with book, battery only – $145 + S&H; Zenith 6S229, needs one knob – $160 + S&H; Bakelite Crosley 11-106-4, complete but not working, no cracks – $100 + S&H; Lafayette radio HA40 in original box – $100 + S&H; NC98 in mint condition – $175 + S&H; Pilot radio T531AB, no knobs – $60 + S&H; United American Bosch 610, circa 1936 – $180 + S&H; Clarion C-100 – $50 + S&H; Seminole 10-transistor radio BC/SW, complete, working – $60 + S&H; (2) 2022 Silvertone, white – $30 ea. or both for $50 + S&H; Zenith M507B, baby blue, looks great, works – $35 + S&H; (2) Westinghouse H307T7, 1952, AM/FM, both complete, one for parts – $35 ea. or $60 for both + S&H; GE World Monitor, 17-transistor, P990A, leather, not tested – $35 + S&H; have Trans-Oceanic parts, call with wants; Dow Key coaxial relay Model DX60-2C, 52 ohm, 1000 watts, 115 V/AC, mint in box – Best Offer over $40 + S&H or trade; Sears Model 20 S logo – $45 + S&H; Philco 40-155, BC/PB/SW, very good condition – $175 + S&H. Ronald G. Crowe, PO Box 117, Handley, WV 25102-0117. (304) 442-8179

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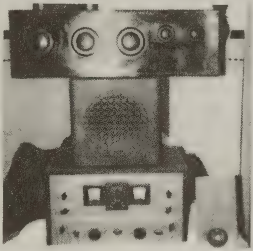
FOR SALE/TRADE: Philco Mod 70 cathedral in very beautiful and original condition – $375. Philco console Mod 18, a rare designer's masterpiece, complete w/two Shakesperian male figures on either side of Repwood escutcheon, slanted grille w/3 pillars and original finish – $600. Federal Jr. crystal set – $425. Radiola Special, metal lid missing, Radiola II, Radiola III, Radiola IIIA, Radiola Z-1325 speaker horn, rare jet black Zenith tombstone Mod 9-S-127, with silver escutcheon and black/chrome Zenith knobs, all original. Vintage Zenith neon clock, 26" diameter – $995. Call: Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

FOR SALE: (51) 1930s QSTs – $95. Gonset Communicator 3, 6-meter transceiver – $55. Shipping extra. Allen Jochem, 2205 Broadway, Quincy, IL 62301. (217) 223-6751

FOR SALE/TRADE: Zenith TM, vg, 5D610 – $39. Stewart-Warner end table, cream color – $59. Westinghouse wall clock, mint – $250. Bob Fuerderer, Holly Farm, 813 Rte. 12A, Surry, NH 03431. (603) 352-3005

FOR SALE/TRADE: Aeriola Grande matching battery and accessory cabinet – $500; can also be used for Radiola Grande. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net



FOR SALE: Hammarlund HQ-129X, 11-tube, with speaker & manual, excellent, gone over by radio expert, plays – $385. Atwater Kent horn speaker Type M, excellent – $150. Freed-Eisemann NR-7 No. 136G, six tube Bakelite front, original, 1925 – $175. Signal elect. co. telegraph sounder & key on board 7" x 5", both signed clean – $150. Will trade for book radio. Music Master 14" wood horn – $175. Emerson 520 Catalin green dial, plays, excellent condition – $255. Atwater Kent Type E speaker, nice – $85. Atwater Kent small 20, all original, nice – $175. Large 20, all original, excellent – $175. Crosley 52, 1924, 3-tube battery. C-299 tubes, nice, with folder – $165. Rola gooseneck horn speaker, plays, it's nice – $175. Edison Mabry, 715 W. Longview Ave., Mansfield, OH 44906. (419) 526-1175

FOR SALE: Shortwave: Hallicrafters S-38C, S-38D, S-38E, S-108, WR600. Allied SX-190. Heathkit GR-54. Taking offers. Craig Knowlton, 13225 56th St. E, Edgewood, WA 98372. (253) 863-1053. E-mail: craigfk@juno.com

FOR SALE: Red Hit Parade 1 transistor – $95. Sony TR510 – $75. Edison Ekonowatt motor – $225. Paragon VT control – $150. World Boy shortwave – $35. Nordemende Stradella – $35. Early New Yorker transistor – $40. GE 678 green – $125. Regency TR1 red – $420. Weltron 2001 space ball – $175. Pay no shipping. Joseph Nocera, 1222 Finch St., New Castle, PA 16101-4840. (412) 658-7805

FOR SALE: Earl Webber, Model 50 tube tester, no papers, unc. – $10 + $5. Heathkit audio oscillator AD-1, no handle, unc. – $15 + $7.50. Western Electric, breakdown test set – $25 + $15. Squires-Sanders citizen band 25 ER transceiver, with microphone, unc. – $15 + $7.50. Dynamic sweep circuit analyzer by Winston Elect., unc. – $15 + $7.50. Heathkit V7A, IM-11, V6, VTVMs, unc. choice – $15 + $5. Coleman solid-state DC pwr sup. 6.2v, 7.2v, 8.5v, unc. – $15 + $10. Telrad 18A frequency standard, WWII, unc. – $50 + $5. Clough-Brengle Co. power level meter, like new – $10 + $5. Perma Power Co., Model B power supply 6.6Vdc at 1.5A, unc. – $10 + $5. Johnson transmitter with mic, unc. – $25, includes ant., + $10 shpg. Philco Model 920, under dash auto radio, unc. – $25 + $10 shpg. James Fred, ARL-USA, 5355 So. 275W, Cutler, IN 46920. (765) 268-2214

FOR SALE: National HRO-50 complete with book and coils and speaker, like new – Best Offer. Willie McGuigan, Box 2, Barnegat Light, NJ 08006. (609) 494-9316. Fax: (609) 494-7476

FOR SALE/TRADE: Vintage tubes: DeForest spherical audion tube w/2 wires, early single plate, test excellent – $1,450; two Audiotron 5-wire tubular audions – $575 ea.; Roytron blue 201A – $75; WE experimental brass base tipped VT-D tube – $575; Welsh peanut w/wire – $325; Marconi Ostram D.E. ? valve – $275; Amperite #1120 frost-colored globe 2-pin ballast tube – $175; original Magnavox 201A – $75; Vandyke X-171 – $175; Schickerling P-S-10 – $200. Larry Drago, 383 Lincoln Dr., Cheshire, CT 06410. (203) 272-6030. Fax: (203) 272-2002. E-mail: theradioman@webtv.net

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FOR SALE: Tube testers: Hickok 539-B – $250. Hickok 560 – $140. Jackson 636 – Taking Offers. Sencore Mighty Might II – Taking Offers. Craig Knowlton, 13225 56th St. E, Edgewood, WA 98372. (253) 863-1053. E-mail: craigfk@juno.com

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FOR SALE: Westinghouse 7 Seas multiband portable – $75. Scott 340B receiver – $150. Scott LT112 broadcast tuner – $40. Electrostatic tweeter – $35. Heath W9 amplifier 6L6 output – $80. Heath AA100 int. amp 7591 output – $80. Fisher multiplex adapter MPX100 – $75. Harman Kardon mono amp & tuner 6L6 output – $75. Pilot tuner preamp AF824 mono – $50. Kenwood tube receiver 7591 output – $150. Stromberg coaxial 12-inch speaker – $40. Magnavox console amp 5 6V6 output – $30. Nordemende SW portable – $40. Scott integrated amp 6BQ5 output – $60. DeWald FM multiplex adapter – $25. University metal horn tweeter – $20. Emerson 640, mint in box – $100. All plus shipping. Frank DeFilippi, 62 Second Ave., Massapequa Park, NY 11762. (516) 798-6577, 6-10 EST

FOR SALE: Rider's I, II, IV, VI – $15 ea. or will trade for XIV and up. Naval Electricians Text Book, Vol. II (1911), 760 pp., good – $40. Electricity and Magnetism (Mascart and Joubert), Vol. II (1888), good – $30. Ned Connors, 29 Allen Ave., Barrington, RI 02806. (401) 246-0164. E-mail: nconnors@ici.net

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FOR SALE: Fada Catalin L56 – $500. Crosley D25 clock radio – $95. Drake SW8 L.N. – $495 OBO. Gerald Silver, 10863 W. Clairmont Cir., Tamarac, FL 33321. (954) 720-1972. Fax: (954) 720-5601

FOR SALE: Hammarlund SP, HQ129, HQ140, HQ110, Hallicrafters SX101, SX99, SX96, SX16, S38 A.B.C.D., SX100, SX110, Scott marine swlr. R390A, 5 off. R392. 1051B. Some German wood radios, Knight radios, 6 off. Heath Mohawk RX1. Lots of tube Trans-O's. Call: Alan Carpenter, 6850 N. Camino de Fran Marcos, Tucson, AZ 85718. (520) 575-1960

FOR SALE: N.O.S. meters for Simpson VOM #260 – $35 ea. Tubes also available. Kirk Cline, 1818 Walken Ave., Greensboro, NC 27403-1760. Ph./fax: (910) 379-7197

FOR SALE: Tube receivers: Fisher 500C, perfect – $125. Fisher 800C, not working – $100. Harman Kardon Trio, excellent – $110. Knight KU-45 – $50. Walt Kiefner, 6235 51st Ave. NE, Seattle, WA 98115. (206) 526-1452

FOR SALE: Zenith Trans-Oceanic R-7000, excellent cond. – $250 OBO. Associated Research Mod 6317 polygraph – $100. WWI buzzer telegraph set – $70. WWII telegraph fullerphone – $70. Airline 1947 portable TV (Sentinel 400) – $135. Tube type homebrew shortwave with PS – $35. **WANTED:** Schematic or manual for RCA AR60. John Orahood, 5819 Miller Valley Dr., Houston, TX 77066. (281) 440-5598

FOR SALE: Pair of Bogen wireless intercoms Model Twin – $40. Burhue acoustic speakers, green – $100. Early Edison 78 rpm records. **WANTED:** (2) WD11 tubes, duds preferred. Matt Hussey, 8 Capitol Cir., Rochester, NH 03867. (603) 332-9927

FOR SALE: Zenith 6-S-249 chairside, works & looks great – $325, plus UPS or pick up. Claude Chafin, N0FMO, 4223 E. 42nd Way, Independence, MO 64055. (816) 478-4518

FOR SALE: Blonde Zenith porthole TV. Rider's 1 thru 23 (to be sold as set). Mark Minks, Mid-America Antique Radio Store, 233 S. Tulane, Liberal, KS 67901

FOR SALE: 1936 Kadette 61 2-tone wood, tombstone. SASE. $140 plus shipping. Charles Aesque, 229 Ridgeview Dr., Gray, TN 37615. E-mail: wkpt-am@tricon.net

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FOR SALE: Zenith Royal S3000-1, Trans-Oceanic w/ AC adaptor – $150. KLH 24 speakers – $75; 32s – $55 pair. Rudy Purcell, 4473 W. 136th St., Cleveland, OH 44135. (216) 251-6511

FOR SALE: Three N.I.O.B. 7189A's, Realistic brand – $12 ea. or all for $30. Randy Massey, 20937 Indiana, Brownstown, MI 48183. (313) 676-7086

FOR SALE: NC57 comm. receiver, good cond – $50 plus shipping. Leroy Neal, 603 Butterworth, Dyersburg, TN 38024. (901) 285-5120, after 8 pm CST

FOR SALE: Hallicrafters Zenith cathedral, TVs, transistors, CRTs, catalogs, much more, free shipping. Send LSASE. Mr. G. E. Perkins, RFD #2, Box 34, Milo, ME 04463-9605

FOR SALE: Duck spark gap – $150. Thordarson spark coil – $75. Bunnell slide tuning coil – $125. Dick Kowalski, KB8MR, 32823 Gloede Dr., Warren, MI 48093. (810) 294-4117

FOR SALE: Shure 556S mic, near mint with stand – $120. Alps 20K stereo pots – $10 ea. EV/Wolverine 3-ways: LS-12 woofers, MR-10 mids., TW-35 tweeters, CR-10 & CR-35 crossovers with level controls, nice homebrew birch ply. cabinets – $120 pr. KLH 331 two-ways, woofer foams rotted – $15 pr. Tektronix #D & E plug-ins for scope, no tubes – $10 ea. All plus shipping. C.J. Poulos, 29 Doubleday Rd., Columbia, CT 06237. (860) 228-7680, to 9 pm or fax: 228-7681

FOR SALE: Dyna PAS 2/3s – $75. FM3 – $55. EICO 2050 int. amp – $85. HFT 90 – $45. Heathkit AA-181 mono int. amp – $45. AJ-12 FM tuner – $40. Fisher FM-80 – $40. Bob Pawley, 5511 Monte Verde Dr., Santa Rosa, CA 95409. (707) 538-4262

FOR SALE: 30's - 50's radios. Send SASE for list. Barbara White, 13171 Woodrose Way, Grass Valley, CA 95945. (916) 273-1179

FOR SALE: Vintage original non-radio photos, framed advertisements liven displays; parts; radios. SASE for list. P. Majewski, PO Box 92, Tamaqua, PA 18252

FOR SALE: Remler infradyne amplifier, copper cabinet 4"x 2 1/2" x 16", Type 700, hole in chassis side for leads is 1/2" x 1", cover is all original and complete, the unit is an IF amplifier with the three tube sockets molded Remler Type 50, no tubes, Serial #003932. Item #2 is a Thomas A. Edison, Cygnet No. 10 horn, patented Aug. 22, 1906, & July 2, 1907, for an Edison cylinder phonograph, complete with original finish and some slight dings and scratches. Both of these rare items are being sold to the Best Offer by December 15, 1997. Several photos available of both items for $1. State which item. Will ship. Everett Hoard, Box 218, Lehr, ND 58460. (701) 378-2341. Fax: (701) 378-2551, anytime.

FOR SALE: E.H. Scott original speaker and 57 pg. instruction manual with schematic for Model SLR-12B shortwave receiver; speaker is Model SPM-12 housed in a 14" x 14" x 8" black wrinkle finish heavy steel cabinet; the 12" speaker with volume control is in excellent conditon — $100 plus S&H for both. Jeff Hoskins, 824 E. Madison Ave., Stuart, FL 34996. (561) 283-2291, after 7 pm

FOR SALE: Silvertone 6402 Bakelite midget – $225. Crosley centre bullseyes: excellent metallic green, orange, GE C-402 ivory Plaskon, maroon knobs – $65. Seattle Seahawks radio – $25. Mike Herman, #2-1731 Rockland Ave., Victoria, British Columbia, Canada V8S 1W6. (250) 595-2829. E-mail: edman@octonet.com

FOR SALE: Silvetone 1808, fair – $65 + S&H. **WANTED:** Cabinet for Fairbanks Morse 91C4. Mark Richardson, PO Box 253, Washoughal, WA 98671. (360) 837-3823

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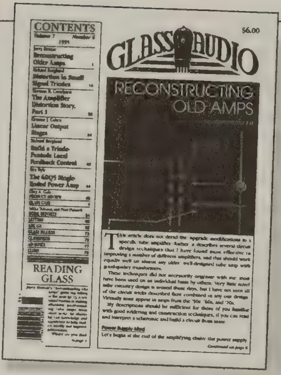

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FOR SALE: Fada 252 Catalin, all butterscotch, 1 fine hairline on lower left side – $460. Airline 62-177 tombstone – $75. Atwater Kent 165 cathedral, excellent condition but missing detail on grille – $150. AK 43 – $85. AK 45 – $85. AK E speaker – $65. Bendix 0526E – $60. Crosley 56TYO – $55. 56TVO – $50. 66TC – $60. 14AG – $60. 515 tombstone, nice – $115. Delco 3205? tombstone – $90. Emerson 517 – $60. 541 – $50. Fada 740 – $85. Federal orthosonic, Gloritone 26 cathedral and 26P cathedral, both excellent, very clean – $210 ea. Guild Town Crier, nice – $100. Hallicrafters 5R-31 – $50. Majestic 7P-42 – $50. Philco 39-6173 clock radio, rare – $75; 50-922 – $40. Radiola 44 – $140. Radiola 60 – $150. RCA T-64, nice – $65. Sonora RCU-208 – $60. Spiltdorf RV-580 w/speaker – $140. Westinghouse H104 – $60. WR12X9 – $50. Wilcox-Gay 7AC5 – $60. Zenith 5S127 tombstone – $160. 6S627? – $60. G516 – $50. J. Gary Cameron, 824 Andrews St., Southington, CT 06489. (860) 276-9200

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FOR SALE: EICO mutual conductance tube testers, with manuals 667, excellent – $98; 666 good – $68. Books – $5 ea., 3/$12 ea.: Elements of Radio, Marcus; Principles of Radio, Henney; Fundamentals of Radio, Everett. Many more, list available. EICO 379 audio oscillator, new unassembled kit – $78. VOMS: Simpson 260 – $50. Triplett 630 – $40. N.I.B. Weston 6000 handheld autoranging DVMs – $25. Heath IP-2717 power supply, 0-400v B+; 0-125V C-, 12.6VAC CT, dual V/I meters, regulated, manual – $98. Mil ZM-21A/U megger, as is – $15. More test equipment, 10 page list, LSASE. Kirk Ellis, KK4YP, 203 Edgebrook Dr., Pikeville, NC 27863. (919) 242-6000, evenings

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FOR SALE: E-mail for free Superlist. Yes, I will sell one tube, (minimum order $10). Steve Lipsky, W2VVN, 1254 Cox Rd., Jenkintown, PA 19046-1207. (215) 884-1817, alt. (609) 361-8175. E-mail: slipsky@worldnet.att.net

FOR SALE: Radio Boys at Ocean Point with Chapman with dust jacket – $25 plus S&H. **FOR SALE:** Tower speaker "The Adventurer" (as seen July '97 A.R.C.), complete and working with original paper cone, no chops or breaks in ring, original paint, near mint condition – $395 plus shipping. Jeff Hoskins, 824 E. Madison Ave., Stuart, FL 34996. (561) 283-2291, after 7 pm

FOR SALE: Zenith Trans-Oceanics 7G605 bomber, 8G005, H500, brown leather 600's, black 600's and other multiband portables. Call: Ron Furnival, 113 Konzier Dr., Pittsburgh, PA 15237. (412) 487-6643

FOR SALE/TRADE: Globe Navigator, repair or parts. Stewart-Warner 63T36 Catalin, cracked – $295. Truetone D941 (Bunis 3), brown, white knobs – $95. Westinghouse H-125, green, nice, inop. – $95. Consoles: Montgomery Ward Airline 62-194 – $150; Airline 6-358 teledial – $175; Zenith 6S52, plays – $225. Transistor, Emerson 856, green chipped – $65. **WANTED:** Majestic 35 chassis. Bill Timoszyk, 35283 Leon, Livonia, MI 48150. (313) 421-2076

FOR SALE: RCA tube caddy, excellent condiiton – $75. Squirrel cage blower, dual – $20. Plus shipping. Jim Smith, KB7LBY, 1228 S. 40th Dr., Yuma, AZ 85364. Ph.: (520) 329-0384. Fax: (520) 782-6252

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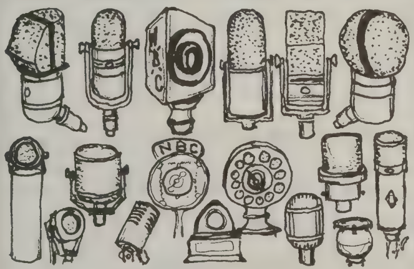

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We are looking for all makes of equipment, and especially *Western Electric* , Telefunken, Neumann and **RCA**. The museum contains various duplicates and items surplus to our needs, and many of these articles are available for sale or trade. The collection is located in my Victorian seaside inn, The Caffrey House, situated on a bay next to the ocean, in the Southampton resort area of Long Island. A trade of equipment for a stay at the hotel is always encouraged.

Robert Van Dyke, 2 Squires Ave., East Quogue NY 11942
516-728-9835

FOR SALE: 14" Musicmaster mahogany horn speaker, vg – $250; Spruce version, vg – $500. GGH red tortoise shell Pyralin, celluloid, horn speaker w/small crack – $295. Steel products Corp. songbird horn speaker, repainted to original conditon – $295. Majestic N.I.B. tubes, IF xfmrs and those hard to find Deco set knobs, 4-color Majestic metal tube rack, cool! – $325. **WANTED:** Issues of the Radio Weekly magazine, Majestic & Grunow advertising, promotional items & chrome-front radios. Chip Taylor, 2223 53rd St., Sarasota, FL 34234. Toll free: (888) 526-5566. Fax: (941) 359-6778

FOR SALE: Zenith Wavemagnet, sailboat version – $110. Johnson Viking Messenger, vg – Offer. Hallicrafters FPM-300 transceiver – Offer. Stromberg-Carlson RP-721 WO, console – $500. Calrad telgraph key w/osc. – $20. Hallicrafters 5R10A – $90. Hallicrafters S-38E – $40. Heathkit transistor radio, wedge-shaped – $20. Concord sound camera F-20, 2 1/2 R-R – $25. Panasonic multiband (6) – $90. Zenith 5 B&W TV – $40. KLH table radio TR-82 – $50. David Clark military headset, w/boom mic – $45. All + ship. Ask for new list! Mary Ellen & Roger Ruddick, 33 Emily Ln., Ft. Myers Beach, FL 33931. Ph./fax: (941) 463-8887

FOR SALE: Yellow Catalin vertically louvered speaker grille and (2) knobs for Motorola Model 52 – BO. Riley-Koltz speaker horn, rare – BO. Glenn Piar, 4040 Allard Rd., Medina, OH 44256. (330) 239-1857

FOR SALE: Zenith Royal 700 – $35. Juliette APR 1404B AM trans. – $10. Music Cooler – $20. Admiral 6V3 – $20. Panasonic R1329 – $5. Peerless AM trans. – $50. Sony 6R-33 – $15. Toshiba 7TH513 – $15. RCA 1BT48 – $40; 7BT10K – $90; Comet ST-6J (Mayfair ST-6J) – $75. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: Drive-in theatre speakers, good shape – $25 ea. Robert Gardner, 2629 S. 27th St., Fort Pierce, FL 34981. (561) 466-8857. E-mail: LocNKey@aol.com

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FOR SALE: N.I.B. 4H4C – $25. 6V6 – $7. 6B4G – $25. Joe Sloss, 4732 119th SE, Bellevue, WA 98006. (425) 747-5349

FOR SALE: Sonora 348 clock radio – $25. Emerson 812B – $40; 336 – $45. Sparton AM-FM table – $50. Kadette 1936 – $50. RCA 8X681 – $45. 9X562 crack – $10. Guild Town Crier – $75. GE 507 – $25; 270A – $20; 115W – $50; T210A crack – $10; 140 – $35. Farnsworth ET061 – $50. Admiral 5K38 – $40. Howard 906 – $50. 718FMX chassis – $40. Newcomb B-100 – $30. Sonora 102 – $30. Clarion 105 – $55. Grundig AM-FM-SW receiver – $15. Hallicrafters 1000 – $60. Mitchell #1251, perfect – $115. Philco 42PT96 – $40; 37-630 – $90; 48-200 – $40; PT89 – $50; 884124 – $25. Jewel clock radio – $30. Trav-Ler T200 – $50. Zenith H72421 – $30; H615 maroon – $35. C725 grey – $25. B516-6 clock radio – $10; 5D011-2 cracked – $10. Bendix end table – $100. RPC Chicago 4- or 5-band table radio, bad case – $15. Silvertone #16 – $10. Monarch AM – $15. Emerson AC/portable, metal front – $20. Atwater Kent Model 40 with L horn – $200. Plus shipping, some no ship. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: National RAO-6 (NC-120) military receiver, U.S. Navy, 1944, works, complete – $250. McElroy code training set, complete w/10 code keys, vg, with manual – $150. Zenith H500, gc – $150. Zenith Mod 4K-035, complete, nice cabinet – $45. Philco Mod 52-940, exc, cream color – $75. Philco Mod 37-89 cathedral, complete, as found – $150. Zenith 6BS-129 tombstone 6-volt, complete, vg, works – $225. Zenith 6D311 brown, exc, complete – $185. Philips B5X43A, near mint – $150. Philco 70 console, vg, works – $300. Automatic Tom Thumb Buddy, complete, as found – $40. Harman Kardon, Stereo Festival, rcvr TA230, great shape – $75. Majestic 50 cathedral w/out stand, nice – $135. Shipping extra. **WANTED:** Working chassis for Philco 42-355 or 42-390, do not need tubes. Joe Beckley, 210 N. Atlantic Ave., Southport, NC 28461. (910) 457-0945

FOR SALE: Three Eimac 35T tubes, N.I.B. – $20 ea.; $50/all 3 ppd. Steve Hansman, 855 Arundel Dr. N, Arnold, MD 21012. (410) 974-0561. E-mail: shans01A@aol.com

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FOR SALE: Nice Hallicrafters S-85 – $85. Philco Transworld, no book – $100. Tan Zenith Royal 500 – $200. Chromed Dyna ST-70, no EL34's, w/PAS-2 – $235. Heathkit AJ-41 – $45. Telefunken S82U – $75. Grommes 55PG – $25. Challenger CH30 – $60. Harman Kardon A220 – $50. KLH Sixteen – $35. Pioneer SX800 – $60. AR-2AX – $275/pr. Jensen TF-3 – $135/pr.; TF-3B – $160/pr. Teeco 892 – $15. 10% discount after 12/10/97. All are plus shipping. Thanks, and Merry Christmas! Lars Roose, 10100 Chapala Ct. NE, Albuquerque, NM 87111. (505) 296-4129, evenings

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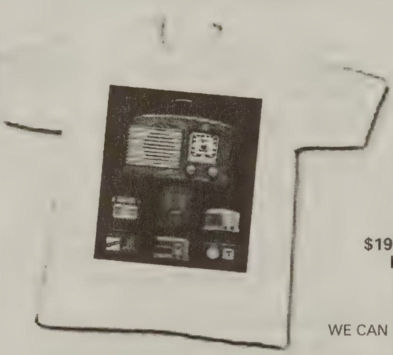
FOR SALE: Used 5U4G tubes that test exc – $5. Other tubes available. Norton Thompson, PO Box 422, Paonia, CO 81428. (970) 527-3017

FOR SALE: BC610I – $400, too big to ship. Tom Burgess, 9 Belle Meadow Ln., Little Rock, AR 72210. (501) 455-0773

GRIGIO

PRESENTS

FULL COLOR IMAGES OF CATALIN RADIOS



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FOR SALE: Western Electric 2A power supply with (2) 216A tubes nice – $200. RCA 74B mic – $600. CV 861 transmitting tube 500 watt N.O.S. – $200. Jefferson tube rejuvenator – $50. Renulife violet ray Model M – $65. Health Ray sun lamp Model 25 – $40. RCA proximity switch #41903 – $25. 12" brass alarm bell – $50. Walsio VHF converter – $25. Raytheon 12v in 400v out Dyno – $200. Realistic Science Fair 101 Electronic Projects – $50. Hearing aid, Zenith Royal, Zenith 50X, Acousticon A120 – $20/all. Singer 30KV electrostatic volts meter – $15. International voltmeter cast iron meter – $50. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: RC cabinet, Radiola III, both vg. **WANTED:** Literature on Meissner TV 10-1153. Bob Breese, 50877 Deer Run Trl., Elkhart, IN 46514. (219) 262-9287. E-mail: Bob@Breese.com

FOR SALE: GE Superadio 7-2887-A – $25. Zenith Golden Triangle, 2 for – $150. Shipping extra. Victor Marett, 3201 N.W. 18 St., Miami, FL 33125. (305) 634-9569. E-mail: antonio@netrunner.net

FOR SALE: Misc. early radios, horn and cone speakers, also test equipment. Send SASE for lists. Antique Radio Store, 8376 LaMesa Blvd., LaMesa, CA 91941. (619) 668-5653. Fax: (888) 409-4690

FOR SALE: Collins TCS-12 original 200-page manual from 1943. Gene Greneker, 184 Lake Somerset Dr., Marietta, GA 30064. (770) 422-2979

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FOR SALE: Brunswick 16. **WANTED:** Tombstones: Patterson 308, 312; Gilfillan 8T; Atwater Kent 447. Curt Schreiber, 3923 E. Latoka St., Springfield, MO 65809. (417) 887-5184, collect. E-mail: Curtradio@aol.com

FOR SALE/TRADE: Any radio for electric brass fans, Deco fans, electric heaters and porcelain toasters. Rick Padron, 1005 E. Idlewild Ave., Tampa, FL 33604. (800) 320-FANS

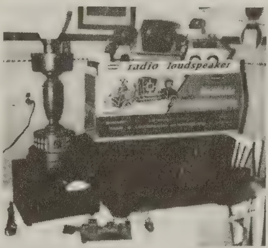
FOR SALE: Great new book on the Zenith Royal 500 Owl Eyes radios. Lots of pictures and charts. For your copy send – $10 to: Eldon A. Horton, 8187 LaHabra Ln., Indianapolis, IN 46236. (317) 823-6374. E-mail: radio@inetdirect.net

FOR SALE: Supreme Most Wanted Radio and TV Diagrams, 15 vols. plus index – $125 plus shipping. Tom Vilov, 603 Homewood Dr., Pocomoke City, MD 21851. (410) 957-1407

FOR SALE: Silvertone 6402 Bakelite midget – $225. Crosley centre bullseyes, excellent metallic green, orange. GE C-402 ivory Plaskon/maroon knobs – $65. Seattle Seahawks radio – $25. Mike Herman, #2-1731 Rockland Ave., Victoria, British Columbia, Canada V8S 1W6. E-mail: edman@octonet.com

FOR SALE: Tubes, used/tested #45 (ST) – $20 ea. Used/tested #245, 345 (balloon shape) – $40 ea. #280 – $20. I have a lot of different brands, and a large quantity in stock. All prices + shipping. Steve Harrell, 1179 Boylston St., #30, Boston, MA 02215. Phone/fax: (617) 247-0672

FOR SALE: Help! Have (1,000's) of used, untested tubes – 2¢ ea. in min. quan. of 250. (100+) used, untested industrial tubes – $25. (70+) used, tested loctals – $5. Few used tested audio tubes. Charles D. Blair, 815 N. 5th St., Cambridge, OH 43725. (614) 432-4453, 9-5. E-mail: blair@jadeinc.com

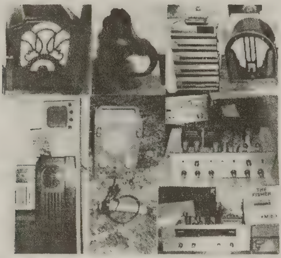


FOR SALE: Truetone D727 2' x 12 7-tube 8-pushbuttons, tuning eye has shortwave. This is a beautiful looking radio – $200. Radio Co. Chicago Lamp of America – $375. Remco radio loudspeaker signal system, has blurring loudspeaker search light beam (4) original batteries in mint, a toy of the 50s with box – $200. General Radio Co. amplifier and null detector Type 1231-B – $155. Zenith nice 3000-1 – $150. RCA Nipper large full-size dog – $1,250. Edison recording gauge base 3" deep x 12" has clock type, works with roll paper, glass dome, 15" tall, a museum piece pat. 1890, it's nice – $1,250. Trade for breadboard radios. All radios are all original and play. Edison wants to buy, radio looks like one book, or more than one book. Also wanted, any unusual brass blade fan, Edison pays more than everybody else. Zenith chairside radio, black dial – $250. Barber pole ends metal revolving, it's nice – $750. Will trade for breadboard radio. Mitchell torpedo lamp radio, plays – $220. (5) AES tubes, G10140 3" x 8" metal tipped – $150. Three 26 tubes – $30. Edison Mabry, 715 W. Longview Ave., Mansfield, OH 44906. (419) 526-1175

FOR SALE: Mitchell 1251 bedlamp radio – $50. Emerson table radio, similar to Model 543 – $25. Electronic Corporation of America – $25. Philco 37-602 cabinet, rough – $30. Items remaining from last month as follows: Transistors: Big Bird, leaning on tombstone radio – $15; Zenith 500D black – $50; maroon 500D, not working – $30. Telephones: neat holiday gifts, will plug into modular jack; Western Electric candlesticks, with dial – $275; without dial – $165; only one of each left. Books: Radio Boys, with dust jacket – $25, without – $10. David Sarnoff biography, first edition, with dust jacket, signed by author – $30. TV: Westinghouse HG19T12, very nice, almost works – $35; Aeriola Senior cabinet bottom, with hardware – $20. Everything works except where indicated. Shipping extra. Tim Healy, 18 Abby Ln., Syosset, NY 11791. (516) 496-7206

FOR SALE: Emersons: AX235 butterscotch and black – $800; EP381 red – $500; white – $350; brown – $125; 540A brown – $125; B199 white – $250. Silvertones: Beetles 3551 – $175; 3561 – $150; 6106 brown – $250. Zenith: 6D315 brown – $200; 6D525, 6D539 wood – $110 ea. Bendix 115 cream with maroon grille – $400. Airline 62-288 black – $165. Crosley D10CE light-green – $165. Fada L96 brown – $110. Plus shipping. Also 1,000s for original knobs and parts for sale, call for prices. David Frush, 1025 Grandview Ave., Sykesville, MD 21784. (410) 795-5262, call between 6 pm and 10 pm

FOR SALE: Reports on crystal properties. Send a SASE for abstracts and ordering information on Reports 8, 9A and No. 10, a new release with experimental results for metal oxide films as crystal detectors. Crys Tech, c/o P.A. Kinzie, PO Box 6805, Kingman, AZ 86402



FOR SALE: Selling out. (12) cathedrals, gothics, tombstones. Price $45 to $200 ea. (20) wood table models 1930s, 1940s – $35 to $65 ea. (15) Bakelites, 1930s, 1940s, early 1950s – $25 to $65 ea. or $2,650 for all. (2) Fisher tube FM stereo tuners. Fisher tube stereo amplifier. Sansui tube FM receiver. Bogen tube FM receiver. Tube PA amplifier. Fisher 500 TX transistor. Fisher MC200 transistor. Marantz quad tuner. Marantz quad receiver #4415. Sansui receiver #6060. Kenwood receiver KR2120. Kenwood stereo amplifier KA9100. Pioneer receiver SX880. Pioneer receiver SX450. Absolutely nothing else. My hobby is video. Sansui VCRs, Akai VCR, (7) head Hitachi. (30) more VCRs, Betas, Pals, VHSs. Reasonable. Video cameras, camcorders, video enhancer. Want to get rid of TV, radio, test equipment. Amphenol horn – $1,450. Music Master wood horn – $550. Quack medical boxes. Phone calls only. Charles Seidel, Box 1500, Merlin, OR 97532. (541) 474-2596

FOR SALE: Collins KWM2A – $650; PM-2 – $125; R388 SN317 – $400. Johnson Pacemaker – $195. Viking I – $85. TMC CV-591A/URR SSB converter, w/ manual – $350. Hammarlund HQ-150 – $200. Heathkits: HW-12A transceiver – $75; HW-30 Twoer – $30; SB-614 station monitor scope – $75; IT-12 signal tracer – $35; IM-11 VTVM – $25; CM-1 capacity meter – $25; HP 400C VTVM, w/manual copy – $18; test set I-181B, w/ manual – $20. Allied Radio catalogs, '69, '71 – $15 ea. Microphones: T-17s (3) – $15 ea. N.I. can Eimac 4X150A tubes (3) – $25 ea. CV89A/URA-8A FS converter – $75. Northern Radio dual FSK Type 153 Model 2 – $45. 42" relay rack cabinet MT-452A/F – $120. All plus shipping, PU heavy stuff. George Shute, W4BDG, 2910 Virginia St. NE, Albuquerque, NM 87110. (505) 298-7347

FOR SALE: 1924 Splitdorf battery, table radio, Model 500, nice playing cond – $145. Zenith Trans-Oceanic portable, chassis 5H40, plays well, all bands – $50. Small homebrew superhet radio, General Radio IFs and filter, Remler osc., Erla audios, nice – $145. Musette horn, blk, 23" high, 10 1/2" mouth, nice, good sound – $80. Russell Barker, 23 Franklin St., Holliston, MA 01746. (508) 429-5499

FOR SALE: James Millen 90811 – $50. Hammarlund and Bud variable capacitors, new in box. B&W Junior coils. LSASE list. Patrick Marineau, K9HF, 6300 Kingsway Dr., St. Louis, MO 63123. E-mail: kampem1@juno.com

FOR SALE: Automatic Radio 50th Anniversary (1970) cuff link, tie clasp set – $25 includes shipping. Herb Parsons, 5 Surrey Ln., Peabody, MA 01960. (508) 535-1009

FOR SALE: Radiola 18 plays, AR turntable. J. Finkelstein, 205 Alapocas Dr., Wilmington, DE 19803

FOR SALE: Prices reduced: excellent original Sparton 557 – $1,650. RME communications receiver Model 4350 with matching speaker – $125. UPS extra. Don Howland, 4621 W. Shawnee, Spokane, WA 99208. (509) 466-0939

FOR SALE/TRADE: RCA satin curtains, one pair red and one blue 46" x 96", exc condition. Wayne Michiels, 7 Lowrie Cres., Tillsonburg, Ontario, Canada N4G 5L4. (519) 688-0964

FOR SALE: (2) 1920's small diathermy SW medical units – $75 each + ship. Steve Bartkowski, 4923 W. 28th St., Cicero, IL 60804. (708) 863-3090

FOR SALE: WE Cardmatic KS-15874-L2, TV-10, Fisher 500C. **WANTED:** Brush octagon headphones. Bartoli, 414 Adams Dr., Mt. Shasta, CA 96067. (916) 926-3674

FOR SALE: (2) Portabar decanter with stopper – $16 ea. Complete Radiola 25 chassis – $30. Walt Sanders, 15 Todd Dr., Terre Haute, IN 47803. (812) 877-2643

FOR SALE: Restored Philco 70; cabinet for a RCA 143 tombstone. Mark Murphy, 1400 Chicago Ave., #802, Evanston, IL 60201. (847) 328-5036

FOR SALE: RCA coin-op motel radio (as seen in A.R.C. November 1997 Photo Review), asking – $150. Hank Trabold, 2058 Nakiska Ct., Toms River, NJ 08755. (908) 244-2345. E-mail: trabold@exit109.com

FOR SALE: Ref. data for Radio Engineers 4th Ed. – $50+. Radio Amateur's Handbook 29th Ed. – $15+. Higher Math For Electricians and Radiomen – $45+. Add 10% shipping. Vincent Zucco, 22 Aspinwall Rd., Red Hook, NY 12571. (914) 758-6712

FOR SALE: Microphone book, 300 pages. History of Identification, How They Work – $29.95 includes shipping. Thank you for making this book such a great success. Happy Holidays! Victor Bang, Video Tech Service, 7520 S. Rural Rd., #3, Tempe, AZ 85283. (602) 491-1811

FOR SALE: 1950's tube-type audio equipment: Bogen MX6 mic-mixer-preamp. Also Fisher PR-6 preamp. Written offers? Chuck Regen, 2724 N. 27th St., Sheboygan, WI 53083

FOR SALE: Rare Flewelling shortwave adapter mfg. by A.C. Dayton Co. circa late 1920's, mint condition with instructions – $75. Ralph Michelson, KG8FA, 4538 Golfview Dr., Brighton, MI 48116. (810) 225-9825

FOR SALE: 1937 Radiobar brochure photocopy – $6. We offer speaker field coil rewinding and complete speaker repair. Call. Color laser cover/Xerox copy of a Sparton catalog with Nocturne, 558 and many others – $22 ppd. Replica copy of Zenith 25 tube Stratosphere owner's manual – $15. Replica faceplate for 1938 Zenith Robot dial, an exact copy of the original – $45 with your restorable trade-in. Call for details. Reproduction 1936 or 1937 Zenith full-line poster – $19 ppd. Zenith 7G605 Trans-Oceanic log chart reproduction – $19.95 ppd. Dial belt kit – $8.95 ppd. Send for free catalog. Visa, Discover, and MasterCard accepted. Alan Jesperson, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489. E-mail: mte612@aol.com

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FOR SALE: Tape, wire recorders; Webcor wire recorder with 2-way footswitch 228-1S in boxes – $100. RCA ELCassette 272 with Disney tape – $50. Mida S930 4/2 Channel 8-track – $20. Clarion 8-track 48-400 – $10. Fisher ER8130 8-track – $30. Telefunken Magnetophon 85 tape recorder – $40. Lloyds small metal 3" tape recorder – $25. Mayfair FT1024B – $20. Signature 1607 3" – $10. Plus shipping. Stan Kotschi, 1421 W. New York Ave., Oshkosh, WI 54901. (920) 426-1912

FOR SALE: Silvertone 4500 black – $45. Stromberg-Carlson ASR-8-80 stereo amp/preamp – $50. **WANTED:** AK 944 chassis/speaker, Zenith 12S2XX cabinet. Dave Gonshor, 7121 S. Jellison St., Littleton, CO 80123. (303) 979-9511

FOR SALE: Emerson Ingraham Midget 262 – $160 includes UPS. Emerson EP405 – $125 includes UPS. Crosley hybrid book radio JM8MN – $165 includes UPS. James W. Poitivient, 3 Darby Cir. E, Mt. Holly, NJ 08060. (609) 261-0059

FOR SALE: The Motor Boat Club and The Wireless by Irving Hancock, considered rare, dated 1909 in fair condition. Les Rayner, 5512 N. 71st Pl., Scottsdale, AZ 85253

FOR SALE: GE M-51 tombstone – $70. Truetone 55A7 upright table – $50. Airline gen. 1686A AM/FM wood table – $25. Heathkit IT-21 tester, works – $25. Philco 42-1004 chassis, tubes – $15. RCA 220 chassis, speaker, etc. – $35. Majestic 130A chassis – $25. Large binder RCA, late sixties TV service data – $15. Three 70's GE, one Motorola large binders asst. service data – $10 ea. Plus shipping. **WANTED:** Cabinets for Radiola Regenoflex, Philco 50 and 20 cathedrals or replacement front panels for Philco sets. Brian Kurrle, 2222 Nodleigh Ter., Jarrettsville, MD 21084. (410) 692-0450; (410) 592-6202, work

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FOR SALE: Many restored radios and TV's at: http://members.aol.com/radiorest/index.html. Keith Park, 795 Grooms Rd., Rexford, NY 12148. (518) 373-0417

FOR SALE: Tubes, parts, books, radios, Sky Buddy, Emersons 547A, pink 915-SB, Bendix 0626A, others. Transistors, novelties. 55¢ LSASE, 18 pp. W.F. Horn, 13110 Marsh Rd., Bealeton, VA 22712. (540) 439-9781

FOR SALE: 1937 German Korting SW/AM, works, looks great! – $250. 1938 Philco Bakelite, perfect – $85. 1939 German Nora SW/AM, Bakelite, perfect/working, great – $285. Hammarlund 110a, excellent – $125. Philco 38-62, excellent wood – $95. 1947 SABA – $185. 1955 Swiss radio – $75. Nazi VE301, excellent, working Bakelite – $415. Phillips miniature de-lux – $65. (2) AV199 tubes, N.I.B. – $85. **WANTED:** S-meter for Hallicrafters SX-25, speaker screws for old Philco sets. R. Sprouse, PSC-2, Box 8968, APO, AE 09012. E-mail: oldradio@snoopy.bunt.com

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FOR SALE: Majestic 20 grandfather clock, restored – $425. Philco 570 grandfather clock, restored – $425. Scott Phantom Deluxe, 28 tubes, restored, Braemar cabinet – $1,400. Philco 41-280, restored electrics, perfect original cabinet – $225. **WANTED:** Fada chassis for 252, 652. Ray Lamont, 70 Litchfield Rd., Unionville, CT 06085. (860) 675-6327

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ZENITH RADIO

THE EARLY YEARS
1919-1935

Harold N. Cones, Ph.D.
and
John H. Bryant, FAIA
with Martin Blankinship & William Wade

The authors of "The Zenith Trans-Oceanic: The Royalty of Radios" are pleased to present their new book, "Zenith Radio, The Early Years: 1919-1935." This first of a planned three-book series tells for the first time the *fully documented* story of Zenith radio and company development, and presents a wealth of never before published photographs, documents and information. Highlighting the book are 110 black and white photographs, 68 other illustrations and 120 color portrait photographs of many of the rarest and most beautiful Zenith radios of the era. Complimenting the Zenith story is an Illustrated Catalog with images of nearly every Chicago Radio Laboratory and Zenith radio model produced between 1919 an 1935. The Catalog is followed by a Database with valuable--and some unique--information covering every radio produced by the company during this period.

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ZENITH

FOR SALE: N.I.B. tubes: (3) IEC/Mullard (Genalex) KT88 – $150 ea. (3) RCA 6550 ST – $70 ea. (4) 45 – $45 ea. (10) 47 RCA – $10 ea. (8) 6GM5 – $10 ea. (4) 7868 – $20 ea. (10) 7247 – $12 ea. Tube testers: (1) Hickok 539C, exc working – $450. (1) RCA WT110A, working Cardmatic w/cards – $125. Roland Barbeito, 19 Murray Ave., Westfield, MA 01085. Phone/fax: (413) 572-4745

FOR SALE: 9" Trophy presented to F.R. Shaw for special sales merit in Atwater Kent radio, 1928-1929 – Best Offer over $100. SASE/dollar/picture. Other stuff also. Randy Seifert, Box 45, Middle, IA 52307. Fax: (319) 622-3461

IF YOUR EXPIRATION DATE IS DECEMBER OR BEFORE, RENEW TODAY! EARLY RENEWALS RECEIVE AN EXTRA ISSUE!

FOR SALE: EV664, mic – $60. Westar German radio – $80. Grommes 50PG amp – $45. Langevin 138 amp – $150. Edison miner's lamp – $45. Frank Hagenbuch, 1040 Bonair Dr., Williamsport, PA 17701. (717) 326-0932

FOR SALE: KWSI 75-A-4, 312A1, 189A2, DL-1, 301 R.E., KWM-1, 516F1-516E1, 516E-2, s-line 75-S-1, 32S1, 516F2, 312B3, 312B4. Eldico R-104 RX. Swan SW120, mint. Marconi SSB kilowatt linear amp. **WANTED:** Collins 353-C-31, 399B-1 KWSI plate choke. Luc Dugas, 235 Rt. Niegette, St-Anaclet, Quebec, Canada G0K 1H0. (418) 723-9689

FOR SALE: Atwater Kent Model #20 – $110. Heath Daystrom ILX-10 Marauder transmitter w/manual – $100. Meissner #9-1065 record/player/recorder/PA/radio – $100. Pfanstiehl needles (100) in display box – $100. Hammond tone cabinet Jr. 20 w/amp – $425. Dynakit mono preamps (2) w/stereo adapter – $80. **WANTED:** Audio Engineering magazines, old mix, DB, R.E.P., Modern Recording. Any info on Euro-recording. Mike Meehan, 3844 Eliot Rd., Erie, PA 16508. (814) 868-0866 or page: (800) 509-2050

FOR SALE: Tube testers: Precision 910, 920; Jackson 648 Acurate Inst. Co. 257 – $35. Electricalabs (E/L) 2701 – $55. Portables: Majestic – $45; Philco C666, spotlight – $55; Bendix 687A. Mitchell Lullaby 1251 ivory – $85. Lark Model IV tombstone – $65. 45 rpm, 78 rpm records – $50/stack. Westinghouse H320-T5 white/green. Clock radios: GE 50, 62. Emerson 602, 852, 737B, Philco 20 – $150. Wood Emerson 463 – $55. Arvin RE278 metal. David J. Grace, 31 Sabra St., Cranston, RI 02910. (508) 549-8405, days

FOR SALE/TRADE: Sparton Cloisonne with blue front, Detrola Pee-Wee in white with red trim with original box, Detrola Pee-Wee in brown with tan trim, Emerson 564 in pea-green with burgundy knobs, Fada 52 in maroon with yellow trim, Sentinel wavy grille in highly marbleized red with yellow trim, Fada bullet with insert grille in all yellow, Fada 52 in all yellow, Philco Transitone in brown and tan, red Arvin Hopalong Cassidy in original box, Lackner Neon Glo clock with amber jewels. Please write, call or e-mail: Jean-Claude Reboul, 7010 S.W. 48th Ln., Miami, FL 33155. (305) 662-1986. E-mail: miamiradio@aol.com

FOR SALE: Razorback AM/FM transistor radios, red, hog-shaped, telescoping antenna – $19 ea. ppd. Fielding Grigsby, 1523 Towson Ave., Fort Smith, AR 72901. (501) 782-0111

FOR SALE: Dynakit stereo 70 – $38. McIntosh stereo tuner/phono preamp MX 110 – $43. Knight KF35 tuner with KA25 stereo amp – $45. Chevrolet 985986 – $28. Webcor 3-speed tape, Regent – $35. Noel S. Ilg, 228 Beck Rd., Avon Lake, OH 44012. (440) 933-5668. Fax: (440) 933-8864

FOR SALE: GE electronic tubes TV & radio service clock – $300. Sparton tombstone has shortwave & tuning eye – $300. Farnsworth E-065 cream Bakelite with metal insert – $100. Mil-O-Tone wood round dial – $150. Arvin 444A compact metal white – $110. Coradio coin-operated blue metal radio – $225. Very rare telegraph key, side winder 7 1/2" x 4", has two plates, copper, base 1/16" apart has coil, it's very unusual, unsigned, could have been made by any of four companies, it's nice – $2,000. Will trade for breadboard radios. Have light bulb tipped, has switch on base of bulb? With Edison thick diamond disk records. Edison's picture etched in disk, 14 pc., all real nice – $75. Airline 0RBR-511A, brown, plastic, compact, it's nice, 7" long – $75. GE 10" fan, brown Bakelite base in original box – $150. Will trade for book radio. **WANTED:** Edison is buying light bulbs, glass tipped & signed, all radios original & play. RCA #9X571, 1950 – $50. Philco #46-1201, 1946 wood with record player, works, need grille cloth – $50. Edison Mabry, 715 W. Longview Ave., Mansfield, OH 44906. (419) 526-1175

FOR SALE: Blue Emerson Patriot, 2 cracks, repro knobs, Fada 700, maroon. Brad Jones, 4801 Crofton Springs Ct., Greensboro, NC 27407. (910) 547-1919

FOR SALE: Please check Nov. ad, p. 74. Items still available. Bret Johnson, 13495 102nd Ter. N, Largo, FL 33774. (813) 595-9287

FOR SALE: Guild 556 Country Belle – $125. List of twelve radios and vintage ads – SASE. Gasper Gilardi, 181 Berkeley Ave., Harahan, LA 70123. (504) 738-1415

FOR SALE: Crosley Pup w/WD-12 – BO over $350. Aeriola Sr. w/amplifier – $350 OBO. Walker multi-unit – $300 OBO. Ray Moore, 283 Pinegrove Ave., Rochester, NY 14617. (716) 336-9155

FOR SALE: Fisher FM 90X – $100. Hallicrafters S-20R – $125. Altec 603-B 15" speaker – $100. Fisher 500-C with case – $250. Larry Kays, 6 Old Ivy Dr., Harwich, MA 02645. (508) 430-0462, after 6 pm EST

FOR SALE: Phonograph ads, 1910-14. Seven Edison, Victor, Grafonola, etc. Backed, covered, mounted, mint – $42. Clyde Powell, 3822 Edwards Ter., Chattanooga, TN 37412. (423) 867-5022

FOR SALE: DeForest D-10 cabinet, no set, with hardware, fair condition – Best Offer over $95. Lauren Peckham, 194 Ormiston Rd., Breesport, NY 14816. (607) 739-5443

FOR SALE: Transistor 3-inch reel-to-reel tape players: RCA YLS-16E – $15; Sony TC900A – $15. James S. Looney, Rt. 1, Box 54, Grundy, VA 24614. (540) 531-8677

FOR SALE: Globe tubes 50, 80, 81, 42, 27, 12-A, 71-A, 301-A, 201-A tipped, brass base. Radiola 60, AR-12 portable, Midwest Maraco, SASE. Ray Miner, 1215 B, Ft. Madison, IA 52627. (319) 372-1271

FOR SALE: Panasonic TV TR-100P – $145. Panasonic flying saucer TV TR-005, exc, works – $525. C. Skopis, 3414 Ralmark, Glenview, IL 60025. (847) 724-1668

FOR SALE: Emerson BA-199 – $57. Truetone D2210 – $25. Windsor bowtie tabletop – $30. Fluke C3060 – $6. Paul Steingel, 2153 10th W, Seattle, WA 98119-2844. (206) 284-8412

FOR SALE: Catalin Garod 6AU-1, 1-color, missing knob ant. needs cosmetics, working, no cracks! – $550. William Hulbert, PO Box 151, Adams Center, NY 13606. (315) 583-5765

FOR SALE: Collins station control 312B-4, excellent – $175. Keystone panels – $1.50 ea. William Harder, 911 W. Northrup St., Lansing, MI 48911-3640

FOR SALE: Ohmite VT-5 Variac transformers, 4.75 amps, knob, dial not supplied, N.I.B. – $25 ea. Lowell Thomas, K6KC, PO Box 15026, Fresno, CA 93702-5026. (209) 227-1605

FOR SALE: Fada 711 – $450. Guild Town Crier – $75. Guild Grafanola w/legs – $130. Replica coke cooler (large) – $70. Geoff Shearer, 14101 Mesita Cliff Rd. NE, Albuquerque, NM 87112. (505) 293-8544. E-mail: GShea90278@aol.com

FOR SALE: Estate colllection: restored battery sets, cathedrals, consoles, jukeboxes. SASE or e-mail for list. Jim Collings, 12005 Victoria Pl., Oklahoma City, OK 73120. E-mail: jrcradio@swbell.net

THANKS!

Thanks for suggesting A.R.C. to your friends.

Did you know that nearly 20% of our new subscriptions come from referrals from subscribers?

So spread the word about A.R.C.!

Give the center coupon to a collector, or ask us to send a friend a free sample copy.

Help A.R.C. and radio collecting grow!

FREE: For removal by Dec. 21, most of 50 yr. collection of B&W TVs, stereos, radios and parts. G.R. Marcelletti, 31087 56th Ave., Paw Paw, MI 49079. (616) 657-4259

FOR TRADE: My Hallicrafters R46B spkr for your wooden Zenith table top, also my Emerson (pink) 706B for your Emerson AX Series table top. A. Bruno, 24 Butternut Dr., New City, NY 10956. (914) 354-8899

FOR TRADE: Western Electric 7A amplifier with tubes. Also have various Western Electric tubes. Bill Cruser, PO Box 340, Lakehurst, NJ 08733. (732) 657-4651

FOR TRADE/HELP: Need a cabinet for a Kolster K21. Will trade a Grebe Syncrophase MU 1 for it or sell both items outright. L.S. Colebank, 742 Albany Dr., Bismarck, ND 58504. (701) 258-7646

FOR TRADE: RCA Victor Service Bulletins, 1929-1959; originals/photocopies: let's complete our collections. Send SASE. Gary A. Micanek, 226 Henry Ave., Manchester, MO 63011. (314) 227-7046

FOR TRADE: Crown 777 near mint. **WANTED:** Westrex cassette tapes, 60's vintage. Will trade (3) Teffi tapes for one Westrex. Harald Herp, 6615 Michele Ct., Huntingtown, MD 20639. (301) 855-7071

MESSAGE: Interested in other early electronics? How about pocket calculators of the '70s? Collect them while they are still inexpensive. Join the only organization for collectors and receive our quarterly newsletter – $16/yr. Sample – $3. International Association of Calculator Collectors, 14561 Livingston St., Tustin, CA 92780-2618. E-mail: http://www.oldcalcs.com

MESSAGE: One-tube receiver plans. About forty of you have ordered my illustrated construction articles for superheterodyne or TRF receivers using easily available Compactrons. These will give speaker volume on local stations with long wire antenna, and are adaptable to SW operation. Plans are – $1 ea. article with SASE. Sure-fire contest winner! Dick Parks, 2620 Lake Ridge Ct., Oakton, VA 22124. (703) 242-8268

MESSAGE: If the AWA member who purchased the Canadian Marconi wave meter at the September, 1997 general auction in Rochester wishes to sell or trade, please contact or phone collect: Roy S. Blackshear, PO Box 950, Keaau, HI 96749. (808) 966-9711, residence or (808) 966-9325, business

MESSAGE: Retiring from repair/replacement of panel meters. Meters, parts, cabinets, test equipment for sale. Ye Olde Meter Cellar, Leonard W. Cartwright, 879 Russet Dr., Sunnyvale, CA 94087. (408) 739-6025

HELP: Need schematic for Balkeit cathedral, model unknown, AC, uses (4) 224's, (1) 247, and (1) 280. Dick Folks, 115 Ln. 200F Lk. James, Angola, IN 46703

HELP: Must transport a CRT from Fort Pierce, Florida, along I95, to Midwest. I'll pay for your effort. Coming up for the holidays? I can meet you somewhere. Thanks. Glenn Bubenheimer, 27851 Terrence, Livonia, MI 48154. (313) 421-5574

HELP: Information on BK-VTVM Model 117, copy fine. Jim Carter, 1806 Okeeweemee Rd., Troy, NC 27371. (910) 572-3216. E-mail: jcarter@ac.net

HELP: Looking for a two-band oscillator coil for Emerson R167, Type R chassis. Michael Stoppiello, 180 90th Ave., Bricktown, NJ 08724. (732) 918-0142, X601

HELP: Need Centralab KR-1, KR-2, KB-1, switch covers for their control line. Also need pots, shafts. What do you have? Mark Oppat, 253 Blanche St., Plymouth, MI 48170. (313) 207-2346

HELP: The U.S.S. Massachusetts (KN1EPL) needs the following items to stay on the air & restore her original outfit: 860 & 861 transmitting tubes, RBB, RBC, RBH & RBO receivers & pwr supplies, telegraph keys, TBS, TDQ & TDY antennas & Webster Teletalk intercom units. Chris Nardi, PO Box 903, Osterville, MA 02655. (508) 775-7835. E-mail: bbradio@capecod.net

HELP: Need Zenith Model 970 console! Doesn't anyone have one? Been looking for years! Chuck Menard, WB9IFE, 232 N. Brashares Dr., Addison, IL 60101. (630) 543-4699

HELP: Information on radio which looks like book called On the Air by Midwel. Phil Harris, The Radio Nuts, 45 Windsor On the Marsh, Savannah, GA 31419. (912) 925-1512

HELP: Need information regarding chassis, make, model for a Virginia Lincoln grandfather clock radio cabinet. Call toll free (800) 339-4409, 10 to EST. C.H. Fox, Olde House, Canterbury, NH 03224. (603) 783-4405

HELP: Need radio chassis & speaker for beautiful Stewart-Warner console R1264A cabinet. L.M. Page, Rt. 4, Box 544, Mullins, SC 29574-9359. (803) 464-6887

HELP: Need radio chassis/speaker for Philco cathedral 37-60 and Stewart-Warner console R1264A. L.M. Page, Rt. 4, Box 544, Mullins, SC 29574-9359. (803) 464-6887

PHONE NUMBER FOR
ANTIQUE RADIO CLASSIFIED
(508) 371-0512
Best time to call is weekdays:
8:30 am to 6 pm Eastern Time
(Please no classified ads by phone. Thanks!)

SERVICES: Hickok factory authorized contact person. Offering service and calibration of Hickok, other major makes, including military, and kit. **FOR SALE:** Hickok Models, 123R, 500, 600, 800, 6000, Series and military TV3, TV7, TV10 and 118B. Also taking orders for Cardamatic hole punch, 6000 Series old style tube adapters. Hickok, Precision, Triplett, Eico and Heath. Signal generators and tracers, VTVM, cond. testers, etc. Test equipment manuals on most major makes. **WANTED:** Good used radio test equipment for resale. Hickok 539 C parts unit. **MESSAGE:** Happy holidays to all my many A.R.C. friends. Providing service that satisfies for over 50 years. Thank you for helping make this a good year. Wendell E. Hall, 3 Mockingbird Cir., Jeffersonville, IN 47130. (812) 282-9709

SERVICES: Reproduction Philco cathedral cabinet parts. Front panels, bottom mouldings, rear arch. Reproduction 90 and 20, standard, cabinets. Grandfather clock finials, colonial clock top trim and finials. Dick Oliver, 28604 Schwalm Dr., Elkhart, IN 46517. (219) 522-4516

FOR TRADE: Regency, Toshiba, Sony rare models for tiny tube coat pocket beauties, toy crystal radios. Mike Brooks, 7335 Skyline, Oakland, CA 94611. (510) 339-1751, evenings

FOR TRADE: Very rare Camel cigarette novelty radio for Japanese or American transistors. Sal Volpini, 178 Cecil St., Sarnia, Ontario, Canada N7T 6W5. E-mail: ivolpini@ebtech.net

FOR TRADE: I will trade antique radio tubes (WD-12, UX-201, etc.) for quantities of television tubes (6LQ6, 6JB6, 6JS6C, 6146B). Tubes must be N.O.S. in original boxes & test good. I have N.O.S. antique tubes and nice looking dud/display tubes. I want U.S. made only, GE, RCA, etc. Steve Harrell, 1179 Boylston St., #30, Boston, MA 02215. Phone/fax: (617) 247-0672

MESSAGE: Will person selling the Shamrock radios at Elgin Radiofest auction please send literature. Charles Combs, 508 E. Daniel, Albany, MO 64402. (660) 726-3038

MESSAGE: Season's greetings to fellow radio enthusiasts from Lerche's Rider/Sams Schematic Service. Richard A. Lerche, 1561 Bluebell Ct., Livermore, CA 94550. (510) 447-9365. E-mail: lerche@aimnet.com

HELP: Need shipment of mid-size console from Pittsburgh, Pa. to Auburn, Ca. Ken Martin, 12667 Eckard Way, Auburn, CA 95603. (916) 885-0243

HELP: Still desperate for alignment/schematic for 1959 German Korting table set #3923W. Pay your price! Michael K. Tremper, 110 Lynncrest Ter., Cheektowaga, NY 14225-1158. (716) 834-9190

HELP: I need a power supply transformer for a Philco radio Model 39-25. James Bailey, 803 N. Waukesha, Bonifay, FL 32425. (850) 547-4985

HELP: Schematic, service manual for RBS-2 military receiver (Navy CCT46217A). Copies OK. Herman Cavelti, 14620 96th St. E, Puyallup, WA 98372

SERVICES: Calibrate your Hickok 118 and KS-15874-L2. Zener cell with cards and instructions – $50. Stewart Kleinschmidt, 502 N. Maple St., Prospect Heights, IL 60070. (847) 392-6257

E-MAIL ADDRESS FOR
ANTIQUE RADIO CLASSIFIED
ARC@antiqueradio.com
Ads – Subscriptions – Book Orders
See inside front cover for details

SERVICES: Schematics 1920-1960, mailed or faxed. $3 radios, $4 TVs ppd. Robert Schrantz, 610 E. Juanita Ave., San Dimas, CA 91773. Phone/fax: (909) 394-1194

SERVICES: New dial scales: Sentinel, Silvertone, Sparton, many more. SASE for list. Rock-Sea Enterprises, 323 E. Matilija St., #110-241, Ojai, CA 93023. (805) 646-7362. E-mail: dials@Juno.com

SERVICES: Dial Covers! Custom-made clear, plastic. Best in the businesss! Rita Hutchings, PO Box 382331, Germantown, TN 38183-2331. (901) 754-5565. E-mail: sally@netten.net

SERVICES: RadioGallery.com, a classified ad web site displaying color photographs of radios for sale. We scan your photos free and include a brief description and a link to your e-mail address. Publicize your club's events free. We also have Wanted and Who knows this radio? sections and radio-related links. On the Web at: www.radiogallery.com. E-mail us at: thegallery@wwisp.com. Steve Adams, 919 Poplar St., Moody, AL 35004

SERVICES: Radio schematics & service data 1920 to 1960 – SASE + $2.50 (month of December $2 ppd.). Steve Rosenfeld, PO Box 387, Ocean Gate, NJ 08740. (732) 269-2022. Fax: (732) 269-2897. E-mail: oceangate@attmail.com

ABBREVIATIONS USED IN CLASSIFIED ADS

MISCELLANEOUS

amp = amplifier
BC = broadcast
BO = best offer
ca. = circa (approx. date)
ea. = each
F.O.B. = free on board
IB = instruction book
LSASE = A Long SASE (see SASE)
LW = long wave
M.I.B. = mint in box
MO = money order
Mod = model
N.I.B. = new in original box
N.O.S. = new old stock (an original, unused vintage item)
NT = no tubes
OB = in original box
OBO = or best offer
P&H = postage & handling
ppd = postage paid (shipping included)
PS = power supply, also "pwr sup"
PU = pick up only
rcvr = receiver
SASE = self-addressed stamped envelope (send a long, #10, envelope)
spkr = speaker
SW = shortwave
UPS = United Parcel Service
vol. = volume
w/ = with
w/o = without
WT = with tubes
xcvr = transceiver
xfmr = transformer
xmtr = transmitter
xstr = transistor
xtal = crystal

BOOKS USED AS REFERENCES

(V.R., p 30) means *Vintage Radio*, page 30

Blast = *Radio – A Blast From The Past*
Bunis 1, 2, 3 or 4 = *Collector's Guide to Antique Radios, 1st, 2nd, 3rd or 4th editions*
Collins = *Radios – The Golden Age*
Douglas V1, V2 or V3 = *Radio Manufacturers of the 1920s, Volumes 1, 2 or 3*
E.O.R. 1 or 2 = *Evolution of the Radio, Volumes 1 or 2*
F.O.S. = *Flick of the Switch*
Grinder/Fathauer = *Radio Collector's Directory and Price Guide*
G.O.R. = *Guide to Old Radios*
Johnson's A.R. = *Antique Radios – Restoration & Price Guide*
M.A.J.A. = *Machine Age to Jet Age*
O.T.B. = *Old Timer's Bulletin* published by Antique Wireless Association (AWA)
Sideli = *Classic Plastic Radios*
V.R. = *Vintage Radio*

CONDITION

(If good or better, mention non-original parts)

p = poor
g = good
exc = excellent
f = fair
vg = very good

A.R.C. does not encourage abbreviations except those listed here. Please spell out all other words. Special note for hams – most subscribers are not hams so we do not recommend ham-type abbreviations.

COMING RADIO EVENTS

ONTARIO, CANADA – Nov. 29

LONDON VINTAGE RADIO CLUB OF ONTARIO MEETING

London, Ontario – London Jaycees
317 Adelaide St. South – 1 pm

Info: Dave Noon, 19 Honeysuckle Cres., London,
Ontario N5Y 4P3, Canada – (519) 453-2292

BRITISH COLUMBIA – Nov. 30

CANADIAN VINTAGE RADIO SOCIETY BRITISH COLUMBIA CHAPTER - MEETING

Richmond, BC – Steveston Hotel

12 Noon – Informal Swap Meet
2 pm – Meeting

Info: Fred Tutt – (604) 275-2033

VIRGINIA – Dec. 3

TIDEWATER ANTIQUE RADIO ASSN. MEETING

7 pm – Call for location & directions

Info: Phil Stroud, 2328 Springfield Ave.
Norfolk, VA 23523 – (757) 481-2561, eves.

ARKANSAS – Dec. 4

ANTIQUE RADIO COLLECTORS CLUB OF FORT SMITH – XMAS PARTY

Fort Smith, AR – St. Luke Lutheran Church
Waldron Road, at Free Ferry – 7:30 pm

Info: Paul Tucker, 4700 N. "N" Street
Fort Smith, AR 72904 – (501) 782-8178

FLORIDA – Dec. 6

ANTIQUE WIRELESS ASSOCIATION SWAP MEET

Bradenton, FL, Stuart Elementary School
7905 15th Ave. NW – 8 am

Info: Norm Smith – (941) 792-0003 (After 6 pm)

TEXAS – Dec. 6

VINTAGE RADIO & PHONO. SOCIETY CHRISTMAS PARTY

Irving, TX – Jaycees Center for the Arts,
2000 W. Airport Freeway (Hwy 183)

Info: George Potter – (972) 315-2553
VRPS, PO Box 165345, Irving, TX 75016

WASHINGTON – Dec. 6

RADIO ENTHUSIASTS OF PUGET SOUND MEETING

Seattle, WA – Queen Anne Library
400 W. Garfield – 2 pm

Info: REPS, 9936 N.E. 197th Street
Bothell, WA 98011 – (206) 488-9518

TEXAS – Dec. 6

HOUSTON VINTAGE RADIO ASSN. ANNUAL CHRISTMAS PARTY

Houston, TX – Lai Lai Restaurant
Tides II Hotel, Main at Holcombe
(Medical Center area)

3 pm-9 pm

Info: Bill Werzner – (713) 721-2242

ARIZONA – Dec. 6

ARIZONA ANTIQUE RADIO CLUB COLLECTION VISIT

Phoenix, AZ – Home of Maury Sievers
(Reservations required)

Tours:10 am, 10:50 am, 1 pm, 1:50 pm, 2:40 pm

Info: Clyde – (602) 948-6466

CONNECTICUT – Dec. 6

VINTAGE RADIO & COMMUNICATIONS MUSEUM OF CONNECTICUT INDOOR SWAP MEET

E. Hartford, CT – St. John's Church Social
Hall, 12 Rector St. (Across from Museum)

8 am – Setup; 9 am – Meet

Info: John Ellsworth – (860) 675-9916

PENNSYLVANIA – Dec. 6

PITTSBURGH ANTIQUE RADIO SOC. MEETING & LUNCHEON

Pittsburgh, PA – Westinghouse Rec. Center
Parkway East (376), Exit 12
S. on Greensburg Pike (on right)

10 am – Flea Market
Noon – Meeting & Luncheon
(Reservations Required)

Info: Bonny Novak – (412) 481-1563

Enclose a SASE when requesting info.

NEW YORK – Dec. 7

GREATER NEW YORK VINTAGE WIRELESS ASSN. – SWAP MEET

Lake Ronkonkoma, NY – 367 Hawkins Ave.
N. of L.I. Expressway, lg. white house

8-12 am

Info: Chris Lieppert – (516) 471-9526, or
Chris Bacon – (516) 821-7618

WEST VIRGINIA – Dec. 7

MUSEUM OF RADIO & TECHNOLOGY PRESENTATION & ANNUAL BANQUET

Huntington, WV, Museum of Radio &
Technology, 1640 Florence Ave.

1:30 pm – Pearl Harbor Presentation
(Call for time) – Banquet

Info: (304) 525-8890

ILLINOIS – Dec. 8

BELLEVILLE AREA ANTIQUE RADIO CLUB MEETING

Belleville, IL – Belleville Area College

7 pm

Info: Karl Stegman, 4 Cresthaven Drive
Belleville, IL 62221 – (618) 234-7992

GEORGIA – Dec. 8

SOUTHEASTERN ANTIQUE RADIO SOCIETY MEETING

Norcross, GA – Picadilly Cafeteria
3400 Holcomb Bridge Road

6:30 pm – Meeting with Show & Tell

"O & P" Radios

Info: Gordon Hunter – (770) 475-0713, or
SARS, PO Box 500025, Atlanta, GA 31150

PENNSYLVANIA – Dec. 9

DELAWARE VALLEY HISTORIC RADIO CLUB MEETING – SWAP MEET – AUCTION

Souderton, PA – 117 Main St. (Rt. 113)
N. Penn. Amusements Bldg. – 7:30 pm

Info: DVHRC, PO Box 41031, Philadelphia,
PA 19127 – Mike Koste – (215) 646-6488

OHIO – Dec. 9

ANTIQUE RADIO COLLECTORS OF OHIO MEETING

Kettering, OH – National City Bank Basement

4100 Far Hills Ave., at Stroop Rd.

7:30 pm; Topic: Tubes

Info: Jim Cross – (513) 385-3855
ARCO, PO Box 292292, Kettering, OH 45429

MISSOURI – Dec. 9

ANTIQUE RADIO COLLECTORS & HISTORIANS OF GREATER ST. LOUIS MEETING

St. Louis, MO – Kirkwood Community Center
111 S. Geyer Rd., Room 201-A

7 pm – Meeting
Show & Tell, Swap Table

Info: Scott Teichmann, 103 Pleasant St.
Jerseyville, IL 62052 – (314) 256-6263

ONTARIO – Dec. 10

OTTAWA VINTAGE RADIO CLUB MEETING

Ottawa, Ontario – Ottawa Citizen
Conference Room, 1101 Baxter Rd.

7 pm – Flea Market; 8 pm – Meeting

Info: Lea Barker – (613) 829-1804
OVRC, PO Box 84084, Pinecrest P.O.
Nepean, Ontario, Canada K2C 3Z2

ARKANSAS – Dec. 11

ARKANSAS ANTIQUE RADIO CLUB MEETING – 7 pm

Little Rock, AR – Books A Million
Markam & Bowman Rd.

Info: Tom Burgess – (501) 455-0773
(Call to confirm details)

NEW JERSEY – Dec. 12

NEW JERSEY ANTIQUE RADIO CLUB SWAP MEET

Freehold, NJ – Grace Lutheran Church
West Main St. & Park Ave. (old Rt. 33)

7:30 pm – Meeting & Swap

Info: Jim Whartenby – (908) 271-7701

TENNESSEE – Dec. 12-14

INDOOR ANTIQUE SHOW & SALE ANTIQUE RADIO DEALER SECTION

Clarksville, TN, Two Rivers Mall
Riverside Drive & 41A

Fri. 1-8 pm; Sat. 9 am-9 pm; Sun. 1-5 pm

Info: Leckrone Promotions – (615) 431-5033

OKLAHOMA – Dec. 13

OKLA. VINTAGE RADIO COLLECTORS CHRISTMAS PARTY

Mustang, OK – Gene Robertson's Home
916 S. Ebeling Dr. – 7 pm

Info: Jim Collings – (405) 755-4139, after 6 pm
Mike Lapuzza – (405) 745-3394, after 7 pm

MARK YOUR CALENDAR

Nov. 29 – Ontario, London – LVRC Meeting §§*
Nov. 30 – BC, Richmond – CVRS(BC) Swap Meet §§*
Dec. 3 – VA, TBA – TARA Meeting §*
Dec. 4 – AR, Fort Smith – ARCCFS Xmas Party §*
Dec. 6 – AZ, Pheonix – AARC – Sievers Collection Tour*
Dec. 6 – CT, E. Hartford – Museum Swap Meet*
Dec. 6 – FL, Bradenton, AWA(FL) Swap Meet*
Dec. 6 – PA, Pittsburgh – PARS Meeting & Luncheon*
Dec. 6 – TX, Houston – HVRA Xmas Party*
Dec. 6 – TX, Irving – VRPS Christmas Party §*
Dec. 6 – WA, Seattle – REPS Meeting §*
Dec. 7 – NY, Lake Ronkonkoma – GNYVWA Swap Meet §*
Dec. 7 – WV, Huntington – MRT, Annual Banquet §*
Dec. 8 – GA, Norcross – SARS Meeting §*
Dec. 8 – IL, Belleville – BAARC Meeting §*
Dec. 9 – MO, St. Louis – ARCH Meeting §*
Dec. 9 – OH, Kettering – ARCO Meeting §*
Dec. 9 – PA, Souderton – DVHRC Meeting §*
Dec. 10 – Ontario, Ottawa – OVRC Meeting §*
Dec. 11 – AR, Little Rock – AARC Meeting §*
Dec. 12 – NJ, Freehold – NJARC Meeting §*
Dec. 12-14 – TN, Clarksville – Antique Show*
Dec. 13 – OK, Mustang – OKVRC Xmas Party §*
Dec. 13 – OR, Oregon City – NWVRS Xmas Party §*
Dec. 13 – TX, Austin area – TARC Meeting §*
Dec. 14 – IL, Elgin – ARCI Indoor Meet §§*
Dec. 14 – MS, Meridian – MHR&BS Meeting §*
†Dec. 14 – NM, Albuquerque – NMRCC Meeting §*
Dec. 16 – CA, N. Highlands – CHRS(Sac) Meeting §*
Dec. 16 – TBA – Tri-State ARC Swap Meet §*
Dec. 17 – OH, Cincinnati – CARS Meeting §*
Dec. 17 – OH, Columbus – COARA Meeting §*
Dec. 18 – NY, Goshen – HARPS Meeting §*
Dec. 21 – MD, Burtonsville – MAARC Meeting §*
Dec. 21 – TN, Memphis – MARC Meeting §*
Dec. 21 – WA, N. Seattle – PSARA Swap Meet §*
Dec. 23 – OH, Kettering – SPARK Meeting §*

1998

Jan. 11 – CO, Denver – CRC Meet §§*
Jan. 17 – CA, Valencia – SCARF Antique Radio Fest*
Jan. 17 – NC, Greensboro – Winter Swap Meet*
Jan. 17 – NH, Nashua – NEARC Swap Meet
Jan. 17 – TX, Irving – VRPS Meeting §
Jan. 25 – WI, Hubertus – WARC Swap Meet*
Jan. 30-Feb. 1 – TX, Houston – HVRA Meet & Auction
Jan. 31 – Ontario, London – LVRC Meeting §§*
Jan. 31 – OH, Columbus – COARA Cabin Fever Swap Meet*
Feb. 1 – MI, Dearborn – MARC Winter Swap Meet
Feb. 7 – CT, E. Hartford – Museum Swap Meet
Feb. 8 – CO, Crested Butte – 3rd Annual Radio/Ski Meet
Feb. 14 – IN, Indianapolis??? – IHRS Winter Meet
Feb. 21 – TX, Irving – VRPS Meeting §
Feb. 21 – CA, Van Nuys – SCARS Auction*
Feb. 22 – MA, Westford – GBARC Radio XXIX
Mar. 7 – PA, Havertown – DVHRC – Super Winter Meet
Mar. 14 – FL, Bradenton, AWA(FL) Swap Meet
Mar. 28 – TX, Irving – VRPS Spring Auction
Mar. 28 – Ontario, London – LVRC Meeting §§
Apr. 18 – NH, Nashua – NEARC Swap Meet
Apr. 19 – KY, Henderson – MSARC Spring Swap Meet
Apr. 30 – IN, Indianapolis – IHRS Spring Meet
Jun. 13 – IN, Forest Park – IHRS Summer Meet
Jul. 10-12 – MI, Lansing – Extravaganza '98
Jul. 18 – NH, Nashua – NEARC Swap Meet
Aug. 5-8 – IL, Elgin – ARCI Radiofest XVII
Sep. 2-5 – NY, Rochester – AWA Conference
Oct. 24 – NH, Nashua – NEARC Swap Meet

* Expanded listing this month. § Monthly. §§ Bi-monthly
† Date changed from original announcement in A.R.C.

TEXAS – Dec. 13

TEXAS ANTIQUE RADIO CLUB MEETING – 2 pm

Austin area, TX – Buda City Park

Info: Joe Koester, 7111 Misty Brook, San Antonio, TX 78250 – (210) 522-1662

OREGON – Dec. 13

NORTHWEST VINTAGE RADIO SOCIETY MEETING & XMAS PARTY

Oregon City, OR – Buena Vista Club House
16th and Jackson Streets – 10 am

Info: Ed Charman, PO Box 82379
Portland, OR 97282-0379 – (503) 654-7387

ILLINOIS – Dec. 14

ANTIQUE RADIO CLUB OF ILLINOIS MEET

Elgin, IL – Holiday Inn, 345 River Rd., Rt. 31 & I-90

7 am-noon – Swap Meet – Donation Auction

Info: Bob Piekarz, P.O. Box 1139,
La Grange Pk., IL 60526 – (708) 352-0648

MISSISSIPPI – Dec. 14

MISSISSIPPI HISTORICAL RADIO & BROADCASTING SOCIETY – MEETING

Meridian, MS – 2412 C Street

3 pm

Info: Randy Guttery, 2412 C. Street
Meridian, MS 39301 – (601) 693-5958

NEW MEXICO – Dec. 14

NEW MEXICO RADIO COLLECTORS CLUB MEET

Albuquerque, NM – Presbyterian Kaseman Hospital, 8300 Constitution Ave. (W. of Wyoming)

1:30 pm – Tailgate Swap Meet
2 pm – Program: E.H. Scott
Followed by: Show & Tell and Auction

Info: Bill Schultz, 7213 Donet Ct. NE
Rio Rancho, NM 87124 – (505) 867-8178

A free* listing on these pages is available for each coming radio event. Sponsors should provide description of event, date, time, place, directions, & information/contact person. Since listings are on a "space available" basis, no guarantee of listing is made.

Submission Deadline – 5th of month.

Club/museum/non-profit events are listed free; other events are obtained from advertisements placed elsewhere in A.R.C.

N.Y./N.J./L.I./N.E. – Dec. 16

TRI-STATE ANTIQUE RADIO CLUB
FALL SWAP MEET
Call for Details
Info: Bob Masterson, Box 172,
Valley Cottage, NY 10989 – (914) 353-3151

CALIFORNIA – Dec. 16

CALIF. HISTORICAL RADIO SOCIETY
SACRAMENTO CHAPTER – MEETING
N. Highlands, CA – SMUD Foothill Service
Center, Room D, corner of Elkhorn & Don Julio
7-9 pm
Info: CHRS, PO Box 162612, Sacramento,
CA 95816, or Don Steger – (916) 929-8274

OHIO – Dec. 17

CENTRAL OHIO ANTIQUE RADIO ASSN.
MEETING
Columbus, OH – DeVry Institute of Tech.
1350 Alum Creek Rd., I-70 Exit 103B – 7:30 pm
Info: Chuck/Sue Davis – (614) 792-6237

OHIO – Dec. 17

CINCINNATI ANTIQUE RADIO SOCIETY
MEETING
Cincinnati, OH – Provident Bank
8054 Reading Road – 7:30 pm
Info: Ted Lewis – (937) 446-3898

NEW YORK – Dec. 18

HUDSON VALLEY ANTIQUE RADIO AND
PHONO. SOCIETY/AWA – MEETING
7:30 pm
Info: Peter DeAngelo – (914) 496-5130
(Call to confirm details)

MARYLAND – Dec. 21

MID-ATLANTIC ANTIQUE RADIO CLUB
MEETING – 2 pm
Burtonsville, MD, New Hope Seventh Day
Adventist Church, 15121 McKnew Rd.
Between Rt. 29 and I-95, off Rt. 198
Info: Ed Lyon, 11301 Woodland Way,
Myersville, MD 21773 – (301) 293-1773

NOTE: The "Coming Radio Events" pages are tabulated from the best information available to A.R.C. However, changes, cancellations and errors do occur. To avoid disappointment, verify place, date and time especially for events which are new to you.

TENNESSEE – Dec. 21

MEMPHIS ANTIQUE RADIO CLUB
MEETING – SWAP MEET
Memphis, TN – St. Timothy United
Methodist Church, 4105 St. Elmo Ave. – 2 pm
Info: Mel Urban, 7190 Mimosa
Germantown, TN 38138 – (901) 754-6307

WASHINGTON – Dec. 21

PUGET SOUND ANTIQUE RADIO ASSN.
SWAP MEET & MEETING
North Seattle, WA – Shoreline Museum
Parking Lot, N. 175th & Linden Avenue
Noon – Meeting (Informal Swap Meet B4 Meeting)
Info: Peter Peterson, PO Box 7251
Seattle, WA 98133 – (425) 747-1323

OHIO – Dec. 23

SOCIETY FOR PRESERVATION OF
ANTIQUE RADIO KNOWLEDGE
ANNUAL MEETING & XMAS PIZZA PARTY
Kettering, OH – Cassano's Pizza
1700 E. Stroop Rd. – 7:30 pm
Info: Richard Arter – (513) 932-7721, eves.

COLORADO – Jan. 11

COLORADO RADIO COLLECTORS
MEETING & SWAP MEET
Denver, CO – VectraBank Bldg.
1380 South Federal Ave., rear – 1 pm
Info: Rick Ammon – (970) 221-4001

CALIFORNIA – Jan. 17

SOUTHERN CALIF. ANTIQUE RADIO
FEST – ANTIQUE RADIO FEST
Valencia, CA – Valencia Travel Village
27946 Highway 126 – 6 am - 10:30 am
Info: Byron Bernor – (805) 269-5459

NO. CAROLINA – Jan. 17

GREENSBORO WINTER RADIO SWAP MEET
Greensboro, NC, Piedmont Triad
Farmer's Market (Off I-40, Exit 208) – 8 am-Noon
Info: Brad Jones – (910) 547-1919

WISCONSIN – Jan. 25

WISCONSIN ANTIQUE RADIO CLUB
SWAP MEET
Hubertus, WI – The Richfield Chalet
1271 Hwy. 175 – 7 am-Noon
Info: Dale Boyce, 10230 W. Greenwood
Terrace, Milwaukee, WI 53224 – (414) 353-0734

OHIO – Jan. 31

CENTRAL OHIO ANTIQUE RADIO ASSOC.
5th ANNUAL CABIN FEVER

Columbus, OH – DeVry Institute, 1350 Alum Creek Dr. (Exit 103B Off I-70, East of Downtown)
8 am – Swap Meet; 10 am – Silent Auction
Info: Chuck Davis – (614) 792-6237

TEXAS – Jan. 30-Feb. 1

HOUSTON VINTAGE RADIO ASSN.
ANNUAL CONVENTION & AUCTION

Houston, TX – Lai Lai Suites, Tides II Hotel, Main at Holcombe; (713) 522-2811
Fri: Auction; Sat: Classes & Auction; Sun: Flea Market
Info: Bill Werzner – (713) 721-2242

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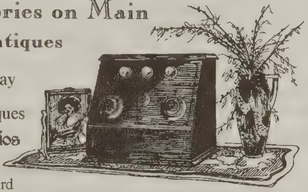

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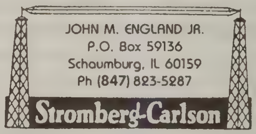

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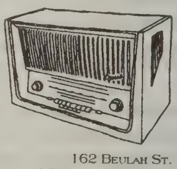

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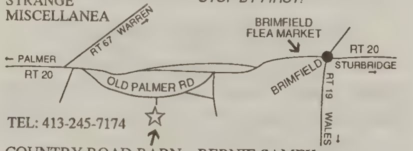

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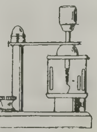

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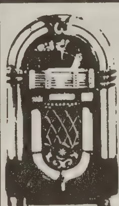

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(Nov-96)

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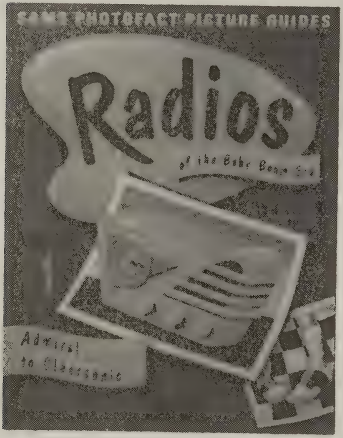

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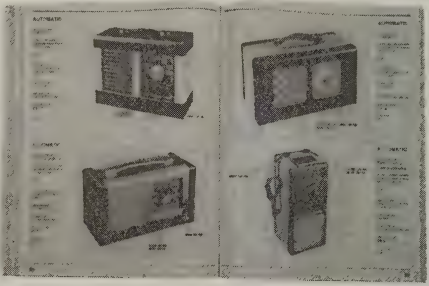

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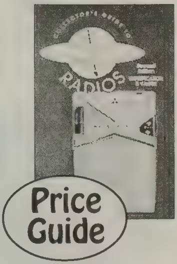
(Oct-96)

Transistor Radio Books



The Collector's Guide to Transistor Radios 2nd Edition by Marty & Sue Bunis. *This book will help you identify the most sought-after vintage transistor radios. Over 2,900 models listed, all with current prices. Includes radio club listing. 375 all new color photos. 5 ½" x 8 ½". 320 pgs. 1996.*

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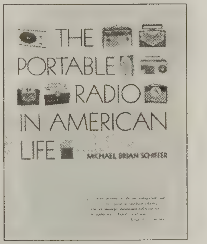

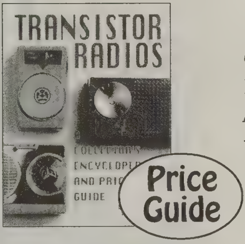

Transistor Radios, A Collector's Encyclopedia and Price Guide by David Lane & Robert Lane. *Identification & price guide to over 2,500 transistor and novelty radios. History & key to collecting chapters. 8 ½" x 11". 170 pgs.*

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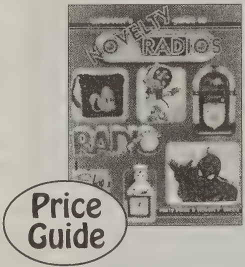

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(Feb-97)

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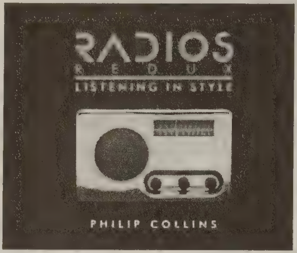
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(Jun-97)

Amateur Radio Books

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Communications Receivers 4th Edition by *Raymond S. Moore. A comprehensive guide to 732, 1932 to 1981, vacuum tube receivers by 66 manufacturers. New section on military receivers. 402 radios pictured! Sharper, clearer photographs . 8 ½" x 11", 115 pages. Softcover.* — **$19.95**

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A Guide to the Amateur Radio Products
BY CHUCK PENSON WA7ZZE

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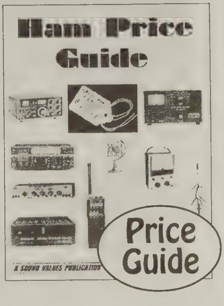
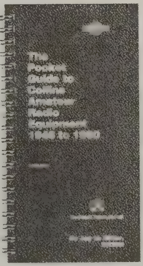
WITH PRICE GUIDE
Chuck Dachis
Price Guide

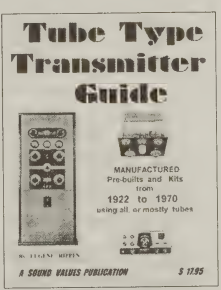
Radios by Hallicrafters by Chuck Dachis. *This book includes over a thousand photographs (b/w & color) of radio receivers, transmitters, electronics accessories and advertising material. Technical descriptions are provided for every known Hallicrafters model, including dates of production, model numbers, accompanying pieces and original prices. A current price guide is included. 8 ½" x 11", 225 pages. Softcover.* — **$29.95**


Ham Price
Guide
A SOUND VALUES PUBLICATION
Price Guide

Ham Price Guide by Eugene Rippen. *This book serves as a price guide and an identification guide. Handy index to help direct you from model numbers to the manufacturer. Small print. 8 ½" x 11", 36 pages. Softcover.* — **$9.95**



The Pocket Guide to Collins Amateur Radio Equipment 1946-1980 by Jay Miller. *A pictorial guide to Collins equipment and accessories. 90+ sharp photographs. 3 ½" x 7", 108 pages. Softcover.* — **$19.95**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Second Edition
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(Dec-97)

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By Maurice L. Sievers

Volume 1

Volume 1
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Vintage American Crystal Sets, Crystal Detectors, and Crystals
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Maurice L. Sievers

750 Illustrations – 570 Crystal Sets
341 Detectors – 207 Crystals
Perfect for the beginning collector!
Useful for the experienced too!

Crystal Clear is the most comprehensive reference for collectors, historians and anyone interested in early radio. In addition to the many excellent photos and reproductions of ads, *Crystal Clear* includes lists showing all sets by manufacturer, set name, selling price and date of manufacture. 8 ½" x 11", 282 pages.

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Volume 2

Crystal Clear, Vol. 2 supplements the first volume. It identifies an additional 172 crystal radio sets, 91 crystal detectors and 26 crystals by manufacturer, model, year produced, description and original selling price. Further research on many of the crystal sets covered in Volume 1. Detailed history on the Philmore Manufacturing Company and the Western Manufacturing Company. 8 ½" x 11", 252 pages.

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(Oct-96)

REPRINT BOOKS ON EARLY RADIO – WIRELESS – TELEVISION TELEGRAPH – TELEPHONE

RADIO

Harvard Radio Research Laboratory Series, ***Ultra High Frequency Propagation.*** Reed, Henry R. and Russell, Carl M. 1966. Boston Technical Publishing Inc. Illustrations with diagrams 5 1/4" x 8". 562 pgs. $24.95

Harvard Radio Research Laboratory Series, ***Very High-Frequency Techniques.*** 1965. Boston Technical Publishing Inc. Illustrations with diagrams 5 1/4" x 8". 1073 pgs. . $34.95

McNicol, D., ***Radio's Conquest of Space.*** 1946. A chronological treatment of the early days of radio, the scientists and their inventions. A few of the chapters: Spark Gaps & Oscillators, Wireless Spans the Atlantic, Regenerative Receivers, The Advent of Commercial Radio. 388 pgs $31.95

Report of the Chief Signal Officer: 1919. A record of the telegraph, telephone and radio in WWI. $51.95

Schubert, Paul, ***The Electric Word: The Rise of Radio.*** 1928. Emphasis on economic and legal uses of radio from Marconi Maritime era and WWI to post-1920 popular use. 323 pgs. $28.95

Summers, H.B., ed., ***Radio Censorship.*** 1939. Collection of excerpts from articles & books + brief bibliography. .. $25.95

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#1	*Radar System Engineering*, 748 pgs	$15.95
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#8	*Principles of Microwave Circuits*, 486 pgs	$15.95
#9	*Microwave Transmission Circuits*, 725 pgs	$15.95
#10	*Waveguide Handbook*, 428 pgs	$15.95
#11	*Technique of Microwave Measurements*, 939 pgs	$15.95
#13	*Propagation of Short Radio Waves*, 746 pgs	$19.95
#15	*Crystal Rectifiers*, 457 pgs.	$15.95
#16	*Microwave Mixers*, 381 pgs.	$15.95
#17	*Components Handbook*, 640 pgs.	$19.95
#18	*Vacuum Tube Amplifiers*, 761 pgs.	$19.95
#19	*Waveforms*, 799 pgs.	$19.95
#20	*Electronic Time Measurements*, 546 pgs.	$24.95
#21	*Electronic Instruments*, 735 pgs.	$19.95
#22	*Cathode Ray Tube Displays*, 764 pgs.	$19.95
#23	*Microwave Receivers*, 618 pgs.	$15.95
#24	*Threshold Signals*, 400 pgs.	$19.95
#25	*Theory of Servomechanisms*, 383 pgs.	$19.95
#27	*Computing Mechanisms & Linkages*, 371 pgs.	$19.95

TELEGRAPH TELEPHONE TELEVISION

Bennett, A.R., ***The Telephone Systems of the Continent of Europe. 1895;*** **and Webb, Herbert Laws,** ***The Development of the Telephone in Europe. 1910.*** In one volume – the development of European telephone networks near the turn-of-the-century plus a comparative study fifteen years later. Two vols. in one. $40.95

Electric Telegraph: An Historical Anthology. The rise and progress of the electric telegraph from the late 19th century to recent times. A collection of early writings. 625 pgs. $59.95

Eyewitness to Early American Telegraphy. Reprints of reports and letters of Alfred Vail from the 1830's and 40's. An invaluable primary resource. 288 pgs $34.84

Hess, G.N., ***An Historical Study of the Du Mont Television Network.*** 1960. Reviews the development of the Du Mont laboratories, network background, its development period, and its decline. A search for why the fourth television network failed. $21.95

Kingsbury, J.E., ***The Telephone and Telephone Exchanges: Their Invention and Development.*** $44.95

Prescott, G.B., ***Bells's Electric Speaking Telephone. It's Invention, Construction, Application, Modification and History.*** $42.95

Signaling and Communicating at Sea. A two-volume anthology of over 50 articles. Semaphores, pigeons, flashing lights, flags, radio, teletype. 2 vols., 480 & 524 pgs. $121.90

Smith, Willoughby, ***The Rise and Extension of Submarine Telegraphy.*** An engineer's and designer's autobiographical account of cable laying in the mid-1900s including the 1856-66 Great Eastern missions. 409 pgs. $35.95

The above are quality reprints. Send for free list of over 70 reprints of books on early radio, television, broadcasting and telegraph available from A.R.C. Send payment with order. Mass. residents add 5% tax. Allow 2 to 4 weeks to receive books. Shipping and handling: add $3.50 for first title and $1.00 for additional titles. Foreign orders - write for shipping costs, or use credit card. Specify air or surface (allow 2-3 months for surface shipping).

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(Nov-97)

COLLECTOR BOOKS AVAILABLE FROM A.R.C.

☞ BOOKS MARKED WITH "☞" ARE THE MOST POPULAR AND ARE ESPECIALLY RECOMMENDED FOR NEW COLLECTORS!

Antique Radio Restoration Guide, 2nd Ed., Johnson. *Beginner's introduction to troubleshooting and repairing AC table model radios. 1992. 145 pgs.*	$14.95
The AWA Review. *Collections of articles.* ***Vol. 6****: Hawaiian Wireless, U.K. TV, SCR-RC-BC Dir., NYC Wireless, etc.* ***Vol. 7****: Poldhu xmitters, Navy equipment, Arc xmitters, etc.* ***Vol. 8****: Keys, Federal Co., KFS-Federal-Mackay story, Nat'l Electrical Supply Co., Navy Electronics Dir., etc.*	Vol. 6-8, ea. $10.00
Vol. 9: Marconi, The Int'l Contest for Radar, Magnetron Story, F. Lowenstein, Ham Licensing. ***Vol. 10****: Atwater Kent, Race for Radiotelephone, Radio Central 75th Anniversary, The Heintz and Kaufman Story, Collins Radio Co.*	Vol. 9-10, ea. $19.00
The Antique Radio Boys and the Garrulous Grebe, Dryer. *Thrilling adventure story written in the traditions of the '20s and '30s. 5 1/2" by 8 1/2". 51 pgs.*	$4.95
The Auto Radio, Matteson. *Info, photos & ads of the auto radio through the 1950s. 316 pgs.* (hardcover)	$34.95
Audio! Audio!, Hill. *A comprehensive directory of classic audio amplifiers and control units. Details of over 850 models from nearly 150 British manufacturers from the 1940s to the 1970s. Signed and numbered. 95 pgs.*	$19.95
Behind the Front Panel, Rutland. *Reviews radio circuits and radio history. Easy descriptions. 25 pics. 158 pgs.*	$18.95
Blast from the Past, A Pictorial History of Radio's First 75 Years, Rhoades. *The performers, programs, & technology that made radio a part of everyday life. 100s of never-before-published photos .* (hardcover)	$39.95
Broadcasting's Forgotten Father: The Charles Herrold Story, Adams. (Videotape, VHS). *One-hour documentary on this amazing inventor. Featuring his family, students, and photos to document his work .*	$29.95
Classic Plastic Radios of the 1930s and 1940s – A Collector's Guide to Catalin Models, Sideli. *Info on all aspects of this popular collecting field. 200+ models from 25 companies are illustrated in full color. 127 pgs.*	$19.95
Classic TVs, 2nd Ed., Wood. *Prewar to 1950s. Price guide. 140+ color photos, reproductions of catalogs & ads. 86 pgs.*	$18.95
☞ **The Collector's Guide to Antique Radios, 4th Ed.,** Bunis. *This guide covers radios from 1920s to 1960s. Over 8,500 prices and many all new color photos are included. 1996..*	$18.95
The Collector's Guide to Novelty Radios, Bunis & Breed. *Descriptions with prices. 600+ color photos. 1994. 224 pgs.*	$18.95
The Collector's Guide to Transistor Radios, 2nd Ed., Bunis. *Identifies the most sought-after vintage transistor radios. Includes club listing. Over 2,900 models, 375 all new color photos, with current prices. 1996. 320 pgs.*	$16.95
Communication Receivers, 3rd Ed., Moore. *Information on 738, 1932 to 1981, vacuum tube receivers by 66 manufacturers. 402 radios illustrated. New section: 3 pages of military receivers. 125 pgs.*	$19.95
The Compleat Talking Machine, 2nd Ed, Reiss. *A guide to antique phonographs. Revised and expanded. Covers construction, cleaning and repairing of parts and cabinets. Over 700 pictures. 236 pages*	.$29.95
Crystal Clear – Vintage American Crystal Sets, Crystal Detectors and Crystals, Sievers.	
Vol. 1 - *Comprehensive reference with 750 illustrations, 570 crystal sets, 341 detectors, 207 crystals. 282 pgs.*	$29.95
Vol. 2 - *479 All new & different illustrations, more crystal sets, detectors and crystals identified. 252 pgs.*	$29.95
Crystal Radio: History, Fundamentals, and Design, Kinzie. *Plus crystals for detectors. 121 pgs.*	$10.95
Crystal Set Projects: 15 Radio Projects You Can Build, The Xtal Set Society. *Various designs and difficulty for everyone. Step-by-step instructions so you can build and design your own xtal sets no matter what your background. 160 pgs.*	$14.95
E.H. Scott Radio Collectors Guide, 1925-1946, Clark. *The reference for collectors of Scott radios, cabinets and accessories. Lists original prices of cabinets and accessories. Over 200 photos with descriptions. 88 pgs.*	$29.95
1940 E.H. Scott Catalog, King. *Quality reproduction of the custom built receivers. Includes radios & cabinet illustrations.*	**NEW$12.95**
Early Radio, In Marconi's Foosteps, Jensen. *Realistic description of Marconi's work and his surroundings. Early construction projects with diagrams. Color and B&W photographs. 170 pgs.* (hardcover only)	$39.95
Evolution of the Radio, L-W Books. *Radios pictured and priced, plus reproductions of catalog pages and ads.*	
Vol. 1 - *Eight-hundred + radios. 1991. 227 pgs., 118 pgs. in color.*	$22.95
Vol. 2 - *Totally different from volume one with new photos, etc. 1993. 654 color photos. 226 pgs*	$24.95
☞ **Fixing Up Nice Old Radios**, Romney. *Written by a retired radio instructor, this book covers Ohm's law, through battery sets, superhets and communications receivers. 1990. 300+ figures, 185 pgs.*	$29.00
☞ **Flick of the Switch**, McMahon. *The classic photo reference guide for '30s - '50s radios. 1000+ photos. 263 pgs.*	$11.95
The Golden Age of Televisions, Collins. *Nice collection of photographs of these early machines*	**NEW $15.95**
Great Radio Personalities (reprint). *B&W pics of the golden days of radio – Abbott & Costello, etc. 128 pgs.*	$12.95
Guide to Old Radios – Pointers, Pictures & Prices, 2nd Ed., Johnson. *Introduction to radio collecting. Includes hundreds of photos and a price guide. 1995. 272 pgs.*	$19.95
Hake's Guide to TV Collectibles. *Price guide and photos for 1600 TV shows, comic books, etc. 1990. 185 pgs.*	$14.95
Ham Price Guide, *Rippen. This book serves as a price guide and an identification guide. Small print. 36 pgs..*	$9.95
Heathkit, A Guide to the Amateur Radio Products, Penson. *Documentation of all Heathkit's amateur radio products, a complete history of the company, 200+ sharp photos. 256 pgs.*	$24.95
International Directory of Antique Radio Collectors. *Lists collectors, clubs, museums, dealers. 1996. 92 pgs.*	$14.95
Inventing American Broadcasting, Douglas. *A careful weaving of technology, social forces, and business decision making from the days of Marconi to broadcasting in the 1920s. 1987. 363 pgs.*	$14.95
L. A. Radio Manufacturing, Paul. *Radio makers in L.A. from 1922-42. Echophone, Gilfillan & 10 others. 88 pgs.*	$10.50
Supplement No. 1, Paul. *Coverage of additional manufacturers, people and sets. 1993. 48 pgs.*	$6.75
The Magnetic Cone Speaker Notebook, Paul. *250+ cone speakers from 120+ companies. Photocopy. 1995. 58 pgs.*	$11.90
The Mechanics of TV, Yanczer. *Explanation of mechanical tv, details for a working system. 5 1/2" by 7 1/2", 170 pgs*	$24.95
Most Often Needed 1926-38 Radio Diagrams and Servicing Information (reprint). *600+ diagrams for mostly AC radios from '26-'38. 240 pgs.*	$18.50
Old Gramophones, Bergonzi. *The development of phonographs and gramophones. 64 photos. 32 pgs.*	$4.95
Old Radio Sets, Hill. *The development of the radio from the late Victorian era until the late 60s. 60 photos 32 pgs.*	$4.95
Old-Time Radios! Restoration and Repair, Carr. *How to repair vacuum-tube and transistor radios. A self-paced training guide. 200 illustrations, 256 pgs.*	$19.95
Philco Radio: 1928-1942, Ramirez. *A reference book on Philco. Shows receivers and company history year-by-year. 464 color photos, 364 black & white photos and drawings. 1993. 160 pgs.*	$29.95
Phono-Graphics: The Visual Paraphernalia of the Talking Machine, Schwartzman. *Shows the collection of products associated with the phonograph. Beautiful photos from Art Noveau to Art Deco era. 1996. 119 pgs.*	$16.95
The Pocket Guide to Collins Amateur Radio Equipment 1946-1980, Miller. *A pictorial guide to Collins equipment and accessories. 90+ sharp photographs. 3 1/2" x 7". 108 pages.*	$19.95
Portable Radio In American Life, Schiffer. *Traces the development of the portable radio and how it affected American culture and society. 450 photos and drawings, 259 pgs.* (hardcover: $45.00)	$24.95
RCA Radiolas, Radiotrons, and Accessories (reprint). *Twenty-page booklet summarizing RCA's 1926 product line including the Radiola III, 20, 25, 26, 28, etc.*	$4.50
Radio Art, Hawes. *A chronological, illustrated history of the technical and stylistic progress of the radio. Mostly British, but American sets are featured as well. 250 photos, 150 in color, 128 pgs.* (hardcover only) Low Price	$9.95
Radio Art Postcard Deck. *30 full-color photographs from Hawes' book.*	$7.50

COLLECTOR BOOKS AVAILABLE FROM A.R.C.

☞ **BOOKS MARKED WITH "☞" ARE THE MOST POPULAR AND ARE ESPECIALLY RECOMMENDED FOR NEW COLLECTORS!**

Radio Collector. (Videotape, VHS). *The five-part Emmy-nominated PBS series combined on one 130-minute videotape. Meet collectors, see collections, attend swap meets, learn about radio restoration.* $29.95

The Radio Collector's Directory and Price Guide, 1921-1965, 2nd Ed. , Grinder. *Directory of over 20,000 radios by manufacturer, model number, year, etc., with prices. Radio history, cabinet styles, vacuum tube development chapters. Over 1,200 trade names listed. Thoroughly revised and expanded. 500 pgs.* $26.95

Radio Collector's Guide, McMahon. *Listing of 9,000+ radios made by some 1200 companies from 1921 to 1932. Gives manufacturer, year, model name and other info. No photos, 264 pgs.* $11.95

The Radio Collector's Guide to Philco Bakelite Block Condensers, 2nd Ed., Bintliff. *A detailed description of Philco Bakelite block condensers with illustrations and parts lists. 1995. 57 pgs.* $9.95

Radio Diagram Sourcebook, Gray. *Valuable tool for identifying radios. Tubes used, replacement dial lamps, and I.F. frequency. Reprint of Sylvania's tube complement guide is included listing almost 10,000 radios. 290 pgs.* $18.95

Radio Horn Speaker Encyclopedia, Paul. *Listing of horn speakers for 320+ manufacturers for the 1920s. Expanded info. on 10 companies. 145+ photos, 80 pgs.* $14.90

Radio Horn Speaker Notebook, Rev. H, Paul. *The companion to the Encyclopedia. Over 450 horn picture ads are shown, over 325 manufacturers are identified. Photocopy. New Index. 1995. 72 pgs.* $15.90

☞ **Radio Manufacturers of the 1920's,** Douglas. *3 volumes.* ***Vol. 1: A-C Dayton thru Ferguson*** . . (softcover only) $24.95
Vol. 2: Freed-Eisemann thru Priess. *266 pgs.* .... (softcover only) $29.95
Vol. 3: RCA thru Zenith. *292 pgs.* .... (hardcover: $39.95) $29.95

Radio Redux, Collins. *Showcases 80+ gleaming sets from Philip Collins' collection. 120 pgs.* .... (hardcover: $29.95) $17.95

Radio!Radio!, 3rd Ed., Hill. *Comprehensive coverage of British radios from the 1920s-70s. This expanded edition includes the previous versions plus 75 new pages and 50 new illustrations. New transistor radio section.* .... (hardcover only)$64.95

Radio/TV Finder, Okolowicz. *Reference to nearly 7,000 radio and TV pics found in 24 books. No photos, 110 pgs.* $13.95

Radio & T.V. Collector's Guide Book, Biraud. *The "Vintage Radio" illustrated guide to European sets from early wireless to the 1930s (a few later). Text is in both French and English.* **Vol. 1:** History & Manufacturers A to P. *256 pgs.***Vol. 2:** P to Z & T.V., Speakers, Tubes, Loops, Parts & Novelties. *256 pgs.* .... (Per Volume) $49.95

Radios by Hallicrafters, Dachis. *The most definitive book on the company. Over 600 photos (some color) on everything they made. An invaluable tool for anyone interested in Hallicrafters. 220 pgs* $29.95

Radios: Furniture That Talks, Collins. *Cathedrals, breadboards, tombstones, chairsides, table tops, and more. Full color photos of over 100 of the most exquisite radios made in the U.S. Also includes ads and ephemera. 256 pgs.* .... **(Available Nov.) NEW $15.95**

Radios of the Baby Boom Era. *Pictures and info from Sams Photofacts. 3,494 radios illustrated plus 3,275 additional radios listed. 274 brands. 1946 thru 1960. Six volumes, 300+ pages per volume. Order by volume:* ***Vol.*** *1: Admiral – Clearsonic.* ***Vol*** *2: Co-op – Geloso.* ***Vol*** *3: GE – Monitoradio.* ***Vol*** *4: Motorola – RCA.* ***Vol*** *5: Realtone – Stratovox.* ***Vol*** *6: Stromberg-Carlson – Zenith.* .... (Per Volume) $16.95

Refinishing Old Furniture,Wagoner. *Written by a furniture restoration instructor. A step-by-step guide to furniture (or radio) restoration, from removal of finishes right up to the final polish. 178 pgs* $14.95

Saga of the Vacuum Tube, Tyne. *The development of vacuum tubes – 1880 to 1930. From Edison, Thomson and Fleming to de Forest, Philips, Siemens and many more. 100+ tube photos, 495 pgs.* $18.95

Shortwave Receivers Past & Present, Communications Receivers 1945-1996, 3rd Ed., Osterman. *For the radio collector, the informed receiver buyer or anyone interested in the history of shortwave radios. 500+ receivers listed. 350 pgs.* .... **(Available Feb98)** $24.95

S. Gernsback Radio Encyclopedia (reprint). *1927 classic encyclopedia on radio. From "A"B`2¥ery to Zirconium, with 1000s of entries in between. 100s of illustrations, 175 pgs.* $9.95

70 Years of Radio Tubes and Valves, 2nd Ed., Stokes. *The thermionic vacuum tube story from 1883 through 1960. New chapter on audio application tubes, more photos, magazine ads and a new index by tube number. 264 pgs..* .... **NEW $29.95**

75 Years of WE Tube Manufacturing, Magers. *A log book history 750+ WE tubes. Illustrated. 133 pgs.* $16.95

The Talking Machine, Fabrizio and Paul. *Contains over 550 photos of internal and external horn phonographs. The text and value guide, complemented with lots of visuals, make this book a must in your library. 256 pgs. .* (Hardcover Only) **NEW $69.95**

Transistor Radios, A Collector's Encyclopedia and Price Guide, Lane. *Identification guide to over 2,500 transistor and novelty radios. History and key to collecting chapters. 1994. 170 pgs.* $19.95

Transmitters, Exciters and Power Amplifiers 1930 - 1980, Moore. *Pictorial and descriptive guide to amateur high frequency transmitters and amplifiers manufactured in the U.S.A. Over 500 photos. 144 pgs..* $21.95

Tube Data, Holm. *The most comprehensive list of vacuum tubes and data in an easy-to-use program for IBM compatibles. 27,000+ tubes, includes receiving and transmitting tubes. Lists function, manufacturer, technical data, & more. (3 ½" disk).* **NEW $39.95**

Tube Lore, Sibley. *Trends in tube design, receiving and audio tubes, special-purpose and transmitting tubes, military types, tips on testing, repairing, adapting various tubes, auction prices from six major sales. 186 pgs..* $19.95

Tube Type Transmitters, Rippen. *Provides a wealth of info on transmitters and transceivers. Includes ancillary items such as linear amplifiers, converters, modualtors and VFOs. Over 500 illustrations. 145 pgs..* $17.95

The Weekend Refinisher, Johnson. *A complete guide to stains and finshes and tips for setting up your own workshop. A handy furniture "first aid" kit for quick repairs. Illustrated. 296 pgs.* $12.00

Wireless Communication in the U.S., Mayes. *Early development of American radio operating companies. Alternators, coherers, stock promotions, unpublished letters, etc. 160 illustrations, 240 pgs.* $29.95

The Xtal Set Society Newsletter, Anderson. *Complete set of the Society's newsletter. Order by volume.* **Vol. 1:** *7/91 to 5/92 - Field Strength Meter, FM Xtal Set, Xtal Sets & Wireless, & more.***Vol. 2:** *7/92 to 5/93 - The Lead Pencil Detector, The Universal Xtal Set, etc.* **Vol. 4:** *1/94 to 11/94 - Measuring Coil Capacitance, home-brew headphones and curve tracers, etc.* **Vol. 5***: AM Receiver Design, Marconi Type 107, Radio Outfit in a Headset, & more* .... (Per Vol.) $9.95

The Xtal Set Handbook, Anderson. *Formulas for coil inductance, a procedure for measuring coil capacitance, circuit matching theory, & more.* ***Also included is Vol. 3 of the Xtal Set Society Newsletter.*** $10.95

Zenith The Early Years, 1919-1935, Bryant and Cones.. *The 1st of a planned 3-book series. Explains the Zenith story. Discover never published photos, documents and info. 300 photos and illustrations, 120 in color. 224 pgs.* $29.95

Zenith Radio Corporation (reprint). *The instructions for installation and operation for Models 39-39A Models 392-392A, and Electric Zenith Receivers. 3 schematics, 3 photos, 7 1/2" by 5", 16 pgs.* $4.50

The Zenith Trans-Oceanic: The Royalty of Radios, Bryant and Cones. *Presents the fascinating story of the development and use of the Trans-Oceanic. Several photos, documents, ads, etc. 160 pgs.* $24.95

U.S. Orders - Enclose $3.00 per order for packing & book-rate shipping if total order is under $35.00. If using VISA or MasterCard, include name on card, card number and expiration date. Send payment with order. Mass. residents add 5% sales tax. Money back return policy. Softcover unless stated otherwise. Most orders shipped the same day received, but allow 2-4 weeks to receive order. Foreign orders - write for shipping costs, or use credit card and specify air or surface (allow 2-3 months for surface shipping).

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Fax: (508) 371-7129 **Web: http://www.antiqueradio.com/**

(Dec-97)

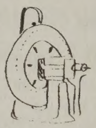
Vintage TVs and radios HARRY POSTER **Stereo 3D & quality cameras**

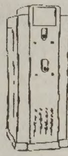
PO Box 1883 S.Hackensack, NJ 07606 hposter@worldnet.att.net 24 Hr FAX:(201)794-9553 24 Hr Phone:(201)794-9606

We stock over 150 vintage televisions...and we would like to buy any TVs you have for sale. We will buy 1 to 100 TVs; we buy complete Radio-TV shops, estates and ham shacks. Sets need not work! **Yes, we pay finders fees!**

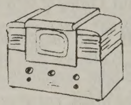
WANTED! Paying $1,000 to $5,000 each for the following:

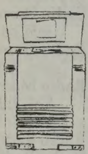
Scanning Disc TVs, 1920s-1930s. Perforated paper or metal wheel with neon tube, motor, etc, in a table top or floor model case, or just a bare board or simple kit. Usually have 1"-4" magnifying lens, or small ground glass screen. Made by Jenkins, SeeAll, Empire, Daven, ICA, Western, Baird, etc.





Pre-1943 B&W TV's with 5" to 20" screen: Table top or floor models with 6 or less channels. GE's with pushbuttons below screen; RCA TRK, TT5; DuMont 180's, 195, etc. Plus *Deco* mirror-in-lid TV's by Andrea, RCA (TRK), Emerson, Zenith, GE, Philco, Sparton (not 1949 models)





WANTED! Buying 1940s, 1950s, 1960s, and 1970s TVs:

1940s TVs with 3", 7", 10" and 12" CRTs including table tops and console models.

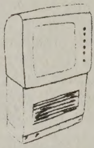
1940s and 1950s Port-holes (round screen).

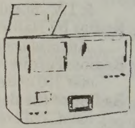
1950s unusually styled televisions.

1960s High Styled and Moderne TVs in wood or plastic: table tops, consoles and built-ins.

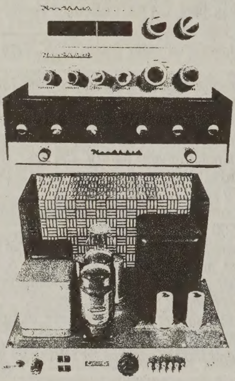
1970s Flying Saucer and Space Age sets--the stranger the better, and Micro TVs.

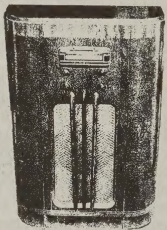
Pre-1953 Color TV's: Table top or floor models with color wheel or color drum. GE, Zenith, CBS, Smith & Klein, etc. Also color TV's with 1, 2 or 3 **round** picture tubes, 5" to16" diameter by RCA, Admiral, CBS, Zenith, etc.(TV may be painted grey or black, or have no case)



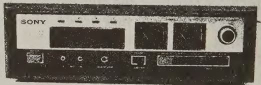


FOR SALE: Heathkit Stereo Outfit. This includes A and B channel preamps with enclosed power supply, a Model FM-3A tuner, plus a hefty M-5W with a pair of Genalex KT-66s. (Yes, the KT-66s test good). The outfit looks good, and it's a great find--we're only selling them because Anna says they're too heavy to move and dust underneath! Complete Heathkit outfit. **$146**

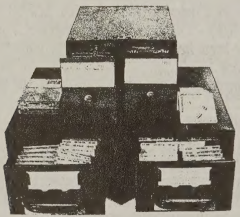




FOR SALE: Deco General Electric Model E-115. This mid-1930s mahogany console is in excellent condition, and it has an 11 tube chassis, tubular lighted dial, and three wooden grille bars in front of the speaker cloth (which is in great condition). We can pack this console and ship it worldwide! **Priced at $95** plus pack & ship.



FOR SALE: SONY TC-228. This is a quality 8-track stereo player/recorder with dual VU meters, with single, manual and auto buttons for the 4 tracks, plus auto shut-off switch. All in an excellent walnut and brushed aluminum case. Working...**$53**



FOR SALE: Capacitors. Five metal drawers with about 145 ceramic disks from 600V to 2KV, 95 orange drops in 600V rating, plus 35 networks. All the caps are new, boxed. **The lot only....$63**

FOR SALE: Phonograph Needles. This was on a dealer's counter--it's a red paperboard case with about 35 Jensen and similar needles..**all $24**

CLASSIFIED ADVERTISING POLICY

ONE FREE 20-WORD AD for subscribers in each issue; additional words are 27¢ each. See details below. Classified ads sent by mail, fax or by any other method must be received (not just postmarked!) by **Noon Eastern Time** on the classified ad deadline date to guarantee inclusion in the current issue. Late ads are held for the following issue. Please enclose correct payment with all ads. Stamps or cash are OK for small amounts. (Canadian and other foreign advertisers, please see "Payment" on page 2 for methods.) "Free words" cannot be accumulated from month to month; free words must be requested when ad is submitted.

Faxed & e-mailed ads: Please see additional information on the inside front cover.

When including ads with other A.R.C. correspondence, write the ads on a separate piece of paper. Include SUB# with ad. Ads may be sent in advance; but, write each ad on a separate piece of paper and indicate the month (or successive two months) you want the ad to run.

To minimize our typing errors: Please write legibly. Use both capital and small letters. Do not use a dash between words. Carefully write the following numbers and letters (especially in model numbers) since some can look alike; for example 1, I and l (the number one, the capital i and the small L.) Also: 0, O , o, Q and D; r and n; 6, b and G; V, U, u, v and Y; A and R; 5, S and s; 2, Z and z. We try to correct spelling errors, so when using an uncommon word or manufacturer which we might mistake as a more common word or manufacturer, note it so that we do not "correct" it. Editor's annotations are in [brackets].

Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and not-original items must be so identified. Advertisers must agree to respond promptly to inquiries and orders, to resolve problems promptly if the buyer is not satisfied, and to comply with a buyer's refund request on unaltered returned items.

The publisher reserves the right to edit ads without notification to the advertiser and to reject ads for any reason. Names other than the advertiser will be edited out of ads. Ads with non-radio-related items will be returned or edited unless the non-radio-related items are for trade of radio-related items, or they are incidental to and appear at the end of an otherwise acceptable ad. The publisher is not responsible for errors due to illegibly written ads or for any other reason.

Clubs: Since club activities receive free coverage on the *Coming Radio Events* pages, the free 20 words may not be used for club activity ads. See inside front cover for additional information.

CLASSIFIED AD DETAILS

Deadline: NOON ET– 10th of the month!

Classified ads must have a standard heading such as WANTED, FOR SALE, FOR TRADE, FOR SALE/TRADE, SERVICES, MESSAGE, HELP, AUCTION, MEET, etc. This heading is the only bold or all-capitalized words allowed in the ad. Capitalize only manufacturer names, model names, etc. This standard ad format makes scanning the ads easier.

Before writing your ad, please look over the ads in a recent issue of A.R.C., and try to write your ad in the same style. Full name (or company name) and address is required in all classified ads; we will add it if you forget.

To encourage varied content of the ads, the same classified ad may be run only once per issue and for only two consecutive months. (To run an ad longer, use a boxed classified or display ad.)

Classified Ad Rates per Month

Subscribers:
- First 20 words: **FREE***
- 27¢ per word for extra words over 20 **plus**
- 10¢ per word for a shaded ad (count all words including free words).
- * Subscribers may take 20 free words on only **one** ad each month.

Non-Subscribers:
- 45¢ per word **plus**
- 10¢ per word for shaded ad.

Please do not forget to send in the extra 27¢ per word when your classified ad runs over the free 20 words; your payment will be appreciated, and it will help to keep A.R.C. healthy.

BOXED CLASSIFIED AD DETAILS

Deadline: 1st of the month!

Boxed classified ads can run unchanged for three months or more. No words are free. Ads may be shaded and may include bold and all-capitalized words freely. The ad need not begin with "For Sale," etc. Minimum run is 3 months, prepaid. Discount: 10% for 6 months; 20% for 12 months.

Boxed Classified Ad Rates per Month

Nonshaded ads:
- 38¢ per word for all words,* none free, **plus**
- 10¢ per word for each bold word **plus**
- 10¢ per word for each all-caps word.

Shaded Ads (All words are bold at no charge):
- 48¢ per word for all words* **plus**
- 10¢ per word for each all-caps word.

Non-Subscribers:
- Add 20¢ per word to above costs.

*Three words can be bold-all-caps at no extra charge.

PHOTO & DRAWING DETAILS

Deadline: 1st of the month for all ads with drawings or photos!

Drawings and photos are encouraged as the response to your ad is much larger and the reader knows better what you want or are selling. Send in your drawing or photograph, and A.R.C. will reduce it or enlarge it as needed.

Photo and Drawing Rates per Month

$22.00 per month for each photo or drawing
(If ad is canceled, this amount cannot always be refunded.)

CHANGES & CANCELLATIONS

Please check your ads carefully before sending them in. Once ads are received, it is not always possible to refund the amount sent, pull the ad or make changes.

IMPORTANT — COUNTING WORDS — IMPORTANT

The **standard headings**: WANTED, FOR SALE, etc., count as **one word** each time used in an ad. **Name, address** and (one) **telephone number**, count as **6 words**, regardless of length. Ham call letters and business name can be included in the 6 words and do not count extra. Full name (or company name) and address is required in all classified ads. Each additional word, abbreviation, model number or number group, extra telephone numbers, fax, e-mail, etc. count as one word each. Hyphenated words count as two words.

PERIODICALS

ANTIQUE RADIO CLASSIFIED

A.R.C., P.O. Box 2, CARLISLE, MA 01741
ADDRESS SERVICE REQUESTED

**CLASSIFIED AD
DEADLINE DEC. 10th
Noon Eastern Time**